

LEHIGH ALUMNI BULLETIN

VOLUME 4

MAY, 1917

NUMBER 3

THE RESPONSE OF LEHIGH MEN IN THE WAR SITUATION

PROGRAM FOR ALUMNI DAY

PUBLISHED QUARTERLY BY THE ALUMNI
ASSOCIATION OF LEHIGH UNIVERSITY



FORT PITT BRIDGE WORKS

OF PITTSBURG, PA.

BRIDGES, BUILDINGS
STRUCTURAL STEEL

General Office, House Building, Pittsburgh

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Chicago Office, Fisher Building

Purchasing Dept. and Works, Canonsburg

THEO. A. STRAUB, '90,

H. R. BLICKLE, '93,

P. B. STRAUB, '97,

SCHUYLER B. KNOX, '93,

E. H. BEAZELL, '90,

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Secretary and Chief Engineer

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Contracting Engineer

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McCLINTIC-MARSHALL COMPANY
PITTSBURGH

ENGINEERS
MANUFACTURERS AND ERECTORS
OF
STEEL STRUCTURES

WORKS
PITTSBURGH - POTTSTOWN - CARNEGIE
PENNSYLVANIA

PRESIDENT, C. D. MARSHALL, '88
VICE-PRESIDENT AND GENERAL MANAGER, H. H. McCLINTIC, '88

AMERICANS FIRST

The following notice was posted in the Packard factory, January 31, 1917:

THIS DAY marks the first anniversary of our AMERICANS FIRST policy, and should mean something therefore to every true, loyal American in this company's employ. We take this occasion to reiterate that policy and to announce again its provisions.

A copy of our AMERICANS FIRST announcement is published on the opposite page.

This company intends forever to build up its organization from among its loyal employes who are citizens of the United States, or have in writing expressed their intentions to become such. Employes who are citizens of foreign countries will be welcome in the company's ranks, but they need not expect promotion to positions of responsibility and trust. Employes who are not citizens can readily file their first papers applying for citizenship, and the company will pay the fee in connection therewith. In that way they can qualify for promotion. No other course is open.

It is our intention to complete our records to show the names of all employes who are citizens or who have taken out their first papers. Promotions to higher positions will be made only from that list, though names will be added to it from time to time, as foreign-born citizens file their papers. Employes who have shown their loyalty, not only to this company but to the United States, are entitled to the preference and we shall see that they have it.

PACKARD MOTOR CAR COMPANY

ALVAN MACAULEY, President

AMERICANS FIRST

The PACKARD MOTOR CAR COMPANY makes this announcement of a new and important policy to all its employes:

FROM and after this date promotion to positions of importance in the organization of this Company will be given only to those who are native born or naturalized citizens of the United States, or to those of foreign birth who have relinquished their foreign citizenship, and who have filed with our Government their first papers applying for citizenship, which application for citizenship must be diligently followed to completion.

Employees of foreign birth who retain their foreign citizenship will not be discriminated against in their present positions or work, but they will not be promoted to positions of responsibility and trust.

A pre-requisite to employment by this Company must be loyalty to our Government and our flag, in addition to loyalty to the Company itself.

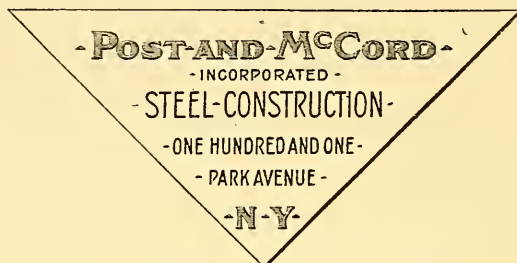
The factory management is authorized to make this order effective immediately.

PACKARD MOTOR CAR COMPANY

By ALVAN MACAULEY

President and General Manager

*Detroit, Michigan,
January 31, 1916*



SPECIALISTS IN THE DESIGN AND
CONSTRUCTION OF STEEL STRUCTURES

AUBREY WEYMOUTH, '94
CHIEF ENGINEER

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General Offices: Pittsburgh, Pa.

Manufacturers of bare and insulated electric wires and cables for all classes of underground and aerial service, also cable terminals and junction boxes and other cable accessories.

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P. H. W. SMITH, '92, Vice-President

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H. D. Wilson, '01, President

PITTSBURGH, PA.

DUQUESNE CONTRACTING COMPANY

General Offices, Diamond Bank Building

PITTSBURGH, PA.

Bell Telephone Court 1119

J. D. Callery, Jr.
President

R. G. Hengst, '95
Vice-President and General Manager

WM. H. SAYRE, '86, President

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50 Church Street, New York

Manufacturers of

"FERALUN" ANTI-SLIP TREADS

Used for floor plates, stair treads, trench covers, etc., instead of iron and steel, to prevent slipping accidents.

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BITUMINOUS COAL
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Since 1820

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C. S. KENNEY, '10
C. E. SIEBECKER, '15
J. S. MUNGER, '17

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HAROLD E. EYNON, '09
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Capacity 5000 lbs. per day

Specialists in Quality Production

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Fifteenth and Clearfield Streets
Philadelphia



Important Notice

Alumni Day and University Day will this year, by action of the Trustees, Faculty and Alumni, be combined, and joint exercises will be held, beginning with the commencement exercises in the chapel at 10:30 A. M., Saturday, June 9. For details see page 7 of the May *Alumni Bulletin*.

ALUMNI BULLETIN

OF

LEHIGH UNIVERSITY

PUBLISHED QUARTERLY BY THE ALUMNI ASSOCIATION

Office of Publication, 431 East North Street, Bethlehem, Pa.
Sent free to all Alumni of Lehigh University

PUBLICATION COMMITTEE

Thomas M. Eynon Schuyler B. Knox P. A. Lambert
Editor, Raymond Walters

Volume 4

MAY, 1917

Number

THE ALUMNI BULLETIN will be sent free of cost to all Lehigh men for one year. The expense of publication will be met out of the current funds of the Alumni Association.

"We want every man who has ever been a student at Lehigh University to join the Alumni Association."—P. A. Lambert, Secretary-Treasurer, Bethlehem, Pa.

Readers of the BULLETIN are requested to notify the University of changes in address of themselves and of former students so that the ALUMNI LIST, published by the University, may be as accurate as possible.

The BULLETIN urges alumni to contribute news. Items should be sent to the Editor.

DR. DRINKER TO ALUMNI

Comment Upon the War Situation. Service Lehigh Is Rendering To My Fellow-Alumni:

In the four summers in which the Military Training Camps have been held the attendance has grown from 159 at Gettysburg from 61 institutions, and 61 at the Presidio of Monterey from 29 institutions, in 1913, to some 16,139 at the camps of 1916—a great backlog of trained men ready and able to supply efficient and most valuable material in the intensive training of officers now under way. Surely Lehigh can take pride in her steady support of this movement.

And Lehigh has done more, far more than this. She has trained and sent forth many men for service, qualified to serve the nation in industrial and engineering leadership in matters of national defense. Her sons are coming forward in all branches and lines of service, industrial, professional,

military and naval, and the necessity has been, not to promote patriotic ardor, but to hold back our younger men from plunging, in their patriotic zeal, into military or naval service, before reckoning whether their training and abilities would not be of more value to the nation if offered in technical work behind the lines.

All are earnest, ardent, and patriotic. Surely, dreadful as is the toll that war exacts, and as this war will exact from the ranks of those we love, good must come of it. We know now that we are not a nation steeped in the greed of selfish gain—that we can rise to the call of duty—that we have entered into this war for the liberty of the world and the enforcement of future enduring peace. We may well take hope that out of pain and travail and sacrifice will be evolved the triumph of world democracy and peace—of the rule of the people—of the principles for which our nation has ever stood.

HENRY S. DRINKER, '71.

Lehigh and the War

Faculty, Students and Alumni Are Preparing To Do Their Part—Census of Alumni—Seniors Complete Work Early—Farewell Exercises

The service of Lehigh toward national preparedness through President Drinker's work in the Military Training Camp movement from 1913 to date is being continued in activities now under way in which the President, Trustees, teaching force, student body and alumni of the University are doing their full share.

Shortly after the declaration of war, the Board of Trustees and the Faculty placed the laboratory facilities of the University and the service of the Staff at the disposal of the Government. By means of question blanks sent out by the Alumni Association information will be furnished the Government concerning Lehigh men who are willing to serve along lines in which they are qualified. Students in the Senior Class were, by special Faculty action, permitted to take early examinations so that some of them are already in the army and navy and others are in engineering and industrial work of value to the country. While a number withdrew early to enlist, students in the three lower classes are in general completing this term's work in the University,—this in accordance with the advice given by Government officials.

Without hysteria or display, Lehigh is preparing to perform her utmost measure of duty to the country.

Census of Lehigh Alumni

A goodly proportion of returns has been received by the Alumni Association in answer to the list of questions presented to Lehigh men in all parts of the country. Those who have not sent in their blanks are urged to do so promptly. The communication and question list follow:

LEHIGH UNIVERSITY ALUMNI ASSOCIATION

South Bethlehem, Pa.

TO ALL LEHIGH MEN:

The universities and colleges of the country have been requested by the Intercollegiate Intelligence Bureau, which works in co-operation with the Council of National Defense, to prepare a census of college alumni whose services would be available in case of need and whose training and experience would make them of unusual service to the government at the front or in industry.

Your reply to this questionnaire involves no commitment on your part to enlistment or service, but regardless of whether or not you may serve please fill out and return the following blank at once. Use extra sheets if necessary. A duplicate blank is sent for your files. The information you furnish will be tabulated with the other returns and will be placed at the service of the Government, through the Intercollegiate Intelligence Bureau.

Be sure to send prompt notification of change of address.

Executive Committee of the
Lehigh University Alumni Association,

H. H. SCOVILL, President,
P. A. LAMBERT, Secretary.

LEHIGH UNIVERSITY ALUMNI ASSOCIATION

CLASSIFICATION DATA FOR GOVERNMENT SERVICE IN A MILITARY, NAVAL, INDUSTRIAL, OR PROFESSIONAL CAPACITY

Name in full. Class.

Present occupation.

Business address.

Home address.

Age. Height, ft., in. Weight, lbs. Married or single.

How many persons are dependent on you for support?

Could you leave your business for an indefinite time, if the Government needed you in time of war?

How much warning would you require?

In what capacity do you think you could be of most service to the Government in time of war? (This may be industrial, military, naval or professional.)

Would you be disposed to offer your services to the Government in an emergency? If so, in what line?

If not, would you be disposed to render part-time service, at your home city or town, along any line in which you are prepared?

Have you had any military or naval experience? If so, describe fully.

Are you now connected in any way with any branch of the Army or Navy? If so, in what capacity?

Would your preference be to render military, naval, industrial or professional service in time of war? If so, in what line?

In what foreign countries have you travelled?

What foreign languages do you read?

What foreign languages do you speak?

Have you any knowledge of navigation, aviation, telegraphy, signalling?

Have you had any experience in making or inspecting munitions?

Have you an automobile, motor truck, motor boat, motorcycle, aeroplane, wireless out-

fit, other equipment useful to the Government, which would be available in an emergency? If so, describe briefly.

Do you own or are you interested in a plant, factory, laboratory or engineering office that you would be willing to offer to the Government?

If you have made any inventions please itemize them on a separate sheet.

Are you at present engaged in research, experiment or technical investigation? If so, what?

Name branches of professional work in which you have had experience. Underline specialties or preferences.

Remarks.

Date, ... 1917.

Statement of Dr. Drinker

Accompanying the list of questions to alumni was the following letter of the President of the University:

April 9, 1917.

TO ALL LEHIGH MEN:

Being requested to state the University's attitude in regard to the duty of our students in the present emergency, I have said that I do not think the University authorities should take any action looking to urging or encouraging our students to enlist for military or naval service, that being a matter which should be reserved for their individual consideration and action in consultation with their friends at home.

We have actively supported, during the last four years, the War Department's movement for Summer Military Instruction Camps. I have been an enthusiastic advocate of the work in these camps and have believed that our students could do nothing better than to attend them in the summer season, and I think that whatever we can do in the way of forwarding preparation for service as a matter of education and training we should do, but that the University should be very careful to do nothing that would put any persuasion or pressure on students in the matter of volunteering for service.

Referring to the enclosed action of the Executive Committee of our Alumni Association in regard to our alumni, I am of course in hearty sympathy with it. Somewhat similar action is being taken by the students themselves in the different student societies—the Chemical, Civil Engineering, Mechanical Engineering, Mining and Geological, Electrical Engineering, and Arts and Science Societies.

In regard to our student body at large, we know that the attendance at Cambridge and Oxford, for instance, is said to have been reduced by the war abroad to a very small number. Without doubt should our country need their services our young men would respond and it would become the duty of the institutions they were attending to make the best possible provision that would be practicable for the resumption of student work after their service to the country shall have ended.

I applied to General Wood for the detail of an officer to lecture on Fridays during April and May of this spring on military subjects, but the need of officers for active service makes it doubtful whether it will be

practicable to arrange for such a detail. As to drill General Wood's advice was that students desiring to volunteer for such practice should organize for it under our Department of Physical Education, and with the aid of those of our men who have had the advantage of attendance and drill at previous summer camps. This is being done.

HENRY S. DRINKER, President.

Offer to the Government

The letter of the Board of Trustees and the Faculty of the University is printed herewith:

South Bethlehem, Pa., April 7, 1917.

TO HIS EXCELLENCY, WOODROW WILSON,
President of the United States.

SIR:

We beg respectfully to advise you that by the joint action of the Trustees and Faculty of Lehigh University the facilities of the University and the services of the University Staff are tendered to the United States Government. The University possesses one of the best equipped engineering testing laboratories in the country, also physical, electrical, chemical, metallurgical and mining laboratories which render efficient service.

We beg further to advise you that the Trustees and Faculty of Lehigh University endorse the principle of Universal Compulsory Military Training. Our student body on January 24 unanimously adopted a resolution endorsing such training and this resolution was presented by a student committee to the Senate Committee on Military Affairs at the session of the Committee held January 25.

THE BOARD OF TRUSTEES
OF LEHIGH UNIVERSITY,

By HENRY R. PRICE,
President of the Board.

Attest: W. A. WILBUR,
Secretary of the Board.

THE FACULTY OF LEHIGH UNIVERSITY,

By HENRY S. DRINKER,
President of the University.

(SEAL)

C. L. THORNBURG,
Secretary of the Faculty.

An Acknowledgment

This acknowledgment was received from President Wilson under date of April 13:

"The President is very grateful for your generous pledge of co-operation and support and he hopes that you will accept this informal acknowledgment of your message as an expression of the deepest appreciation of your patriotic offer."

FAREWELL TO SENIORS

Special Meeting For 1917 Men—Graduated Early Because of the War

A farewell meeting was held in connection with chapel exercises in Packer Memorial Church at 7:45 o'clock on the morning of May 7 at which representatives of the Board of Trustees, the Faculty and entire teaching force, alumni, undergraduates, and friends, assembled to wish God-speed to the members of the Class of 1917 who took advantage of the Faculty's offer of early Senior examinations and were then leaving the University. These exercises were in addition to and not in place of the Commencement program, which will be held in June when a number of the class expect to return for the awarding of degrees. There was a large attendance at this farewell meeting. It was marked by simplicity and solemnity befitting the national situation.

In the service of morning prayer, conducted by the Chaplain, the Rev. S. N. Kent, there were included a scripture lesson from Isaiah, a patriotic prayer and patriotic hymns, the music being led by Organist T. Edgar Shields.

After stating the purpose of the occasion as a farewell meeting between the teaching force and the Seniors, President Drinker presented Eugene G. Grace, E.E., '99, President of the Bethlehem Steel Company. Mr. Grace was characterized by Dr. Drinker as "an alumnus who in his student days held a high record in scholastic work and in athletics, who is now an active member of the Board of Trustees." Dr. Drinker referred to Mr. Grace's "service as President of the great corporation, the Bethlehem Steel Company, which originated the manufacture of armor plate and high power guns in this country and which today is distinctively the great source to which our Government can look for the means of carrying on modern warfare and defense."

"Don't be afraid of responsibility" was Mr. Grace's charge to the Seniors. "The problem in the business and industrial world today is to find men willing and able to assume responsibility. Your education here at Lehigh

has prepared you to lead—to serve where your country may most need you, whether on the battlefield or in the workshop." Mr. Grace interposed a word here as to the patriotic service young men may render in the nation's workshop in such plants as those of the Bethlehem Steel Company.

"Your college training has prepared you to think and to study. You have worked hard. I know this because I have observed that the roster today is certainly no easier than it was in the days I was in Lehigh—and I know what it meant then." At this point Mr. Grace related several incidents of his own student life, telling of his difficulties when he simply memorized mathematical lessons before learning to reason about principles and formulas.

Touching upon the sacrifices that the cost of college education often means to those at home, Mr. Grace urged the Seniors to be an honor and a comfort to their parents. "And," he added, "be a credit to Lehigh. Never forget Lehigh and what she has done for you."

"It is no four-year course you are entering upon now. It's the course of a life-time. In it you will no longer be taught by an able faculty such as you have had here. But with what they have done for you, you should be prepared to do for yourself. The rest of your knowledge will be obtained in the school of experience. The same principles apply in that school as in college. Those who work the hardest and apply themselves most faithfully will stand at the head of their professions just as these characteristics determine relative standing in classes."

There are a few plain principles that answer the problems of life, the speaker declared. "You men have learned to work hard here at Lehigh. Continue to work hard, trying to do things a little better than your competitor and do a little more."

Mr. Grace emphasized "loyalty to your employer and a generous attitude to your associates. Help every associate in the fullest measure you can, rejoicing in his success if only for the selfish reason that in modern business organization the success of one is the success of all. There may be companies with only one good man, but

they are skating on thin ice. The great corporations of America are not one-man corporations. Achievement today lies in co-operation." In this connection Mr. Grace declared that those who criticise must be prepared to rectify what they criticise—to do as well as to talk.

"Don't be afraid of making a mistake. Work for a good average; be right more than half of the time. Integrity and common sense—these and a willingness to take responsibility are the answers to the problems of life as I see them. Make these your answers and you will make your mark."

Prof. J. F. Klein, Dean of the Faculty, said in part:

Gentlemen:

I have been asked to bid you a friendly good-bye; perhaps it is because my long service as a teacher has mainly impressed me with the good points characteristic of college students. Let me touch upon only two of them.

My whole life through, there has been manifested a courtesy, on the part of students, which has warmed my heart and helped my work. Then, too, I have never known a timely and just appeal to meet with aught but generous response.

I always find myself loth to part with a Senior Class; I still feel as if I were parting from friends, yes comrades, loyally engaged in the same work. I find that the interest in each other, thus aroused, lasts a lifetime.

This year the interest in you and your future work is intensified because the country has special need of young men; it needs their courage, energy, enthusiasm and untarnished ideals. Gentlemen, it is a great thing to be young and live in a time like this—for there exists now a spirit of self-sacrifice and exaltation which will mold your whole lives and be of lasting benefit.

The call of the country to you is a manifold one, but, in all cases, it is a call for the best service. I need not dwell on the many lines along which efficient service can be rendered. That view has been adequately presented by others. Instead I will simply put to you this one guiding thought:

Enter the new life with singleness of purpose.

The spirit in which the required work is done is everything; it should be unselfish, without thought of reward. The purpose should be to render the maximum of service to your country and to humanity.

In parting from you young gentlemen, let me try to inspire you with these four motives. In this time of trial, acquit yourselves like men; you too will be tried, see to it that you are not found wanting.

Be a credit to your Alma Mater; put yourselves on her Honor Roll.

Be Americans; work for your country so that her honor and influence may be exalted.

Be citizens of the World in the noblest sense, work so that the best that men have

felt and thought may not perish from the earth.

Gentlemen, I bid you God-speed.

Prof. C. L. Thornburg, Secretary of the Faculty, said in part:

Gentlemen of the Class of 1917:

A little less than four years ago you assembled here in this chapel, for the first time as a class in this University and today you meet here for the last meeting of your class before you go forth to begin your life work. You then placed yourselves under the guidance and instruction of the faculty, and during these four years of your residence here no doubt you have often thought your task was too hard, and the course of study too difficult, but methinks that it will not be a very long time before you will see matters in a different light and that you may then regret that the tasks were not made more difficult than they were. Oftentimes students seem to have the idea that their worst enemy is the faculty, but I assert that the faculty is your best friend, and that oftentimes it has stood between you and disaster in your undergraduate career.

The faculty has done its best for you, and as to whether you are a success in life depends upon how well you have profited by your efforts here, and upon your individual efforts. You must now take your place and begin to serve your Country, in whatever capacity your duty and your conscience dictate. In fact you began this service when you entered here as a student, by seeking to prepare yourself adequately for your career.

You now belong to the aristocracy, the aristocracy of educated men, and you live not in an autocratic nation, but in a democratic free Republic where the highest positions and offices are open to the humblest citizen limited only by the individual capacity and effort of each one.

Go forth therefore, buckle on your shield and your armor, these are your university education, take your place where you can best serve and we feel sure that you will succeed.

Farewell, God speed you.

President Drinker spoke as follows:

Gentlemen of the Senior Class:

To you, who—your work done—are about to leave us, I speak with a full heart, and I greet you both as President of Lehigh and now as your fellow-alumnus. I welcome you to the Alumni body of our Alma Mater, and to the greater body of the alumni of our land. You have passed over the divide that separates preparation from action. You spring from college life, full-armed, into life's duties and responsibilities. It has been my pride and my loving duty to devote a lifetime of work and effort from my graduation in 1871 to the furtherance of Lehigh's work and to the enhancement of her facilities for doing good. I envy you your dawning privilege to take up and to enter on this work, and to take on yourselves the greater work of service to our beloved country.

You have done well to accept the offer of the Faculty to allow you to graduate in advance of your scheduled time, for as true Lehigh men you have well and faithfully done

and completed the tasks that led up to completion. You have won out in the race, and while we know that "They also serve who only stand and wait"—you leave our halls at a time when there is no waiting, when our farms, our mills, our railroads, our mines, and all the varied industries of our land, are calling for men, and when your professional service will take on the distinctive shape of service to the nation in its hour of need—at a time when Lehigh training and Lehigh spirit will find fitting and ample opportunity for National service.

Remember that the nation needs engineers and men of business judgment and high training in this hour of trial, as much as she needs officers and men in the field or on the ocean, and that the lesson has been impressed on us by England's experience that it is only by full organization and use of our resources at home and their management by skilled and able men that war can be successfully maintained at the front, and that it is a criminal waste of trained and efficient material to send skilled specialists from the work behind the trenches, into the trenches; from the work that they only can do, to take up work that others can do as well or better.

At a meeting and conference held in Washington on Saturday last, which I attended, of the University and College Presidents of the Country, called under the auspices of the Council of National Defence, and presided over by the member of the Council having jurisdiction of "Science and Research" including Engineering and Education," the following statement was adopted, among other Statements of Principles suggested for the consideration of the Council of National Defence.

"We believe that, in view of the supreme importance of applied science in the present war, students pursuing technical courses, such as medicine, agriculture, and engineering, are rendering, or are to render, through the continuance of their training, services more valuable and efficient than if they were to enroll in military or naval service at once."

Gentlemen, your lives, and your talents, are not yours alone. They belong to your country. Be wary that you carefully and with deliberation and good judgment and patriotic zeal devote those precious lives and those trained faculties to tasks that according to your respective abilities can best serve our country.

Do not be led to hasty judgments by emotion, or to wrong decisions by fear of criticism. We live in an age, and in a land where common sense—horse sense—count for more than frenzied effort. You are citizens of the greatest country on the earth, the most highly civilized, and the most peaceful of the great peoples of today—a nation slow to anger, and reluctant to war—but who, like the mills of the gods, though they grind slowly, grind exceedingly small.

America has awakened slowly, but surely, to her duty in this world crisis. We older men can study and reason, but it is for you young men, the bone and sinew of our land, to act. God give us the grace and wisdom to so counsel you that your action may be wise and may He so arm you, and all the youth of our land, that in this world battle for freedom and right, we may be guided and led to win for the world, peace with honor, and the establishment as between nations of the observance of those principles of love and for-

bearance that the great Teacher taught us should rule as between men—and if out of the inferno that has come upon the world there should dawn and lighten into day as a result of this great war, a freeing of the peoples of the earth from the tyranny of the few, and the establishment of the rule of the lands by the peoples of the lands, we may yet see that the great sacrifice has not been in vain, and that a greater, better, freer world will rise out of the chaos.

May it be the privilege of our land to lead in this great accomplishment, and let it be the duty of every man and woman of our land to serve in the great work, with love of country, and love of right.

We are here Trustees, Faculty, Alumni, and Friends to greet you—and to you, good men and true—we wish God-speed. You take with you our love, our confidence, our belief that you will, well and worthily, play your part.

Farewell.

Tribute to President Drinker

Upon invitation of the Central Department of the Military Training Camps Association, President Drinker attended a training camps conference of Middle West colleges and secondary schools held in St. Louis, Mo., on March 24.

Dr. Edmund J. James, President of the University of Illinois, presided at both sessions of the conference. In introducing Dr. Drinker at the evening banquet, President James referred to his services as Chairman of the Governing Committee of the Training Camps Association and Secretary of the Advisory Board of University and College Presidents on the Camps, and said that "The President of Lehigh has done more than any other educator in the country in the interest of proper military preparedness."

Students Having Voluntary Drill

About sixty students of the University are reporting daily on Taylor Field for voluntary military drill. When the company was organized, they were given setting-up exercises under Professor Reiter and Mr. Cassidy of the Department of Physical Education. No army officer being available at this time, the students are now drilled by undergraduate officers who have had experience at the summer military training camps and in schools affording military instruction.

Alumni Day and University Day Combined

Joint Exercises To Be Held June 9—Honorary Degrees For Messrs. Riddick, Alderdice and Williams—Mr. Schwab To Speak

Owing to the early graduation this year of practically the whole Senior Class of the University, and the engagement of the men in industrial work serving war preparedness and in military and naval service, there is doubt whether more than a small proportion of the class can be counted on for attendance on the Commencement Day Exercises (regularly scheduled for Tuesday, June 12) though there is a very generally expressed wish and intention on the part of the members of the class to return for the day, if possible. The Trustees and Faculty, in consultation with the President of the Alumni Association, have therefore decided to hold the Commencement exercises on Alumni Day, Saturday, June 9. They will take place in Packer Memorial Church at 10:30 a.m.

This will enable the Alumni to be present at the granting of the Honorary Degree of Doctor of Laws to Wallace Carl Riddick, '90, now President of the North Carolina College of Agriculture and Mechanic Arts, and the degree of Master of Science on Taylor Alderdice, '83, Vice-President of the National Tube Company, and on Homer D. Williams, '87, President of the Carnegie Steel Company. These short commencement exercises will be immediately followed by the business meeting of the Alumni Association, to convene in the Church at 11:30 a.m.

Alumni Day will be made the occasion of an expression of Lehigh patriotism. The keynote will be sounded in the address to be delivered by Dr. Charles M. Schwab (LL.D., Hon., 1914), Chairman of the Bethlehem Steel Corporation. President H. H. Scovil, of the Alumni Association, is arranging the program, in conjunction with the authorities of the University which, as usual, will be host for the day.

Outline of Alumni Day Program

Commencement exercises of the Class of 1917 will take place in Packer Memorial Church at 10:30 a.m., Saturday, June 9.

The annual meeting of the Alumni Association will be held immediately after the commencement exercises.

All Lehigh men (including Trustees and members of the teaching staff), their wives and daughters and members of the graduating class will be guests of the University at the Alumni Luncheon at 1 o'clock.

There will be a baseball game on Taylor Field at 3:30 o'clock, between Lehigh and either Brown or Tufts.

Dr. and Mrs. Drinker will receive at the President's reception in Drown Memorial Hall at 9 p.m.

"Everybody's Class—'66" will have a gathering at the Bethlehem Club at 9:30.

IMPORTANT BUSINESS

The business at the annual meeting of the Alumni Association, to be held Saturday, June 9, will include a proposed change in by-laws and an amendment to the constitution recommended by the Executive Committee. The

new by-law would fix the annual dues at one dollar for the first five years of membership, two dollars for the second five years, three dollars for the third five years, and five dollars annually after the first fifteen years. The proposed constitutional amendment provides for life membership in the Association upon payment of \$100.

The object of these changes, as stated by the Executive Committee, is to have more alumni pay their dues regularly. It is proposed that there shall be "a secretary for the Association who will give all his time to the work of the Association. As a part of this work the Secretary will edit and publish the ALUMNI BULLETIN and the Alumni Lists; he will co-operate with the University in soliciting funds for the support of the University; he will visit alumni and alumni clubs in the interest of the Association. * * * The new Secretaryship has been offered to the old Secretary. The old Secretary has refused the new job point blank."

A second important action at the meeting will be the vote on the group plan for class reunions, described in the February ALUMNI BULLETIN.

The officers to be elected are a President and two Vice-Presidents to serve one year and an Alumni Trustee for four years. The list of nominations presented by the Nominating Committee and mailed by the Secretary to each member and associate member of the Association follows:

For President, H. H. Scovil, '00.

For Vice-Presidents, F. A. Daboll, '96, and H. D. Wilson, '01.

For Alumni Trustee, Franklin Baker, jr., '95.

THE REUNION CUP

Classes Will Compete For '91 Trophy. Notice of Secretary

Walton Forstall, Secretary of the class of 1891, donors of the Reunion Cup of Lehigh University, has sent information in regard to competition for the Cup to representatives of the following reunion classes: '72, '77, '82, '87, '92, '97, '02, '07 and '12. If any other classes intend to hold reunions in June, their officers should communicate at once with Mr. Forstall, Broad and Arch Streets, Philadelphia. The Reunion Cup was presented last June by the class of 1891 as a perpetual trophy for annual competition.

"In the ALUMNI BULLETIN of July, 1915, will be found the detailed rules governing the award. All classes may compete for it, irrespective of date of graduation or size of membership. On each alumni day it is awarded to that class which has in attendance the largest percentage of its living membership, this including non-graduates. The first award was made on June 3, 1916, to the Class of '96, whose twentieth reunion was attended by 49 members, this being 36.6 per cent. of its living membership. The facts relating to this award have now been engraved on the Cup, and it is once more back in the Trophy Room, until such time as the Class of '96 shall, on June 9, 1917, hand it over to the next winner.

"This Cup, which is a beautiful example of the silversmith's art, stands 15½ inches high and weighs 75 ounces.

"It would be a great mistake for any class not to do its utmost to win the cup, as the winner will certainly feel proud of being able to carry it in the

procession to the Athletic Field on the afternoon of Alumni Day."

'66 Will Have Largest Attendance

The class badges that will blossom forth most abundantly on the campus on Alumni Day will undoubtedly be those of "everybody's class—'66." It has been decided to adorn all returning alumni who are not members of regular reunion classes with attractive button badges with the numerals '66, signifying the year in which the University first opened its doors.

All members of '66 will be guests of '96 at an informal gathering and smoker in the Bethlehem Club on Friday evening, June 8. The Class of 1896 proposes in this manner to celebrate winning the '91 reunion trophy cup last June.

On Saturday evening, June 9, the Class of '66 will have a "party," likewise in the Bethlehem Club to which every Lehigh man is cordially invited.

Class of 1882

The Class of 1882 intends to hold its thirty-fifth reunion at the University on Alumni Day. Charles C. Hopkins, of Rochester, N. Y., who has arrangements in charge, writes that "the five living graduates of the class will be present and as many of the non-graduates as we can muster in. There are eleven of the latter whose addresses are known. A dinner may be decided upon."

Enthusiasm Shown By '92 Men

"Stand by your class and the flag!" and "Help capture that reunion cup!" are the slogans of the committee in charge of the twenty-fifth year reunion of the Class of 1892. "Booster letters" are bearing to '92 men the committee's exhortations, and with these go brown and white calendar blotters that are designed as a constant reminder of the reunion date, June 9. "Nothing will be left undone," the committee promises, "to look after the comfort, convenience and pleasure of all members of the class when they come back for the reunion."

The committee believes that "existing conditions are all the more reason for having the reunion this year if for

no other purpose than to pledge our united loyalty to the flag and to American ideals and principles."

The officers of the Class of 1892 are: President, George P. Case, 406 Chamber of Commerce, Minneapolis; Corresponding Secretary, Charles M. Case, 54 Chamber of Commerce, Minneapolis; Active Secretary, George W. Engel, Box 540, Scranton.

The reunion committees are as follows: Booster Committee, Chairman, H. W. DuBois, 302 Harrison Building, Philadelphia; J. B. Semple, Alvan Macauley, S. D. Cushing, R. L. Baird, W. Y. Brady, W. L. Jacoby, A. S. Manley, C. T. Mosman, R. A. Downey, C. K. Shelby, W. N. Usina, L. W. Walker, D. H. Whitmer and W. J. Lloyd; Reception Committee, Chairman, R. S. Rathbun, Allentown; R. J. Yost, C. H. Allam, F. Wittman, Joseph Barrell, C. O. Wood, B. E. Woodcock, J. N. Bastress and W. R. Davis.

'96 Will Start New Custom

The twenty-first annual reunion of the Class of 1896 will be celebrated on Friday and Saturday, June 8 and 9, with headquarters at the Bethlehem Club. The following committee has charge of the affair: Chairman, J. George Lehman, Bethlehem; Robert E. Laramy, Easton; Robert P. Howell, Phillipsburg, N. J.; Moriz Bernstein, Philadelphia, and John T. Simpson, Newark, N. J.

To meet the need of having some place in the Bethlehems where everybody can assemble on the evening preceding Alumni Day, the '96 Class has decided to be host at an informal gathering and smoker in the rooms of the Bethlehem Club on Friday night, June 8. The Class extends a cordial invitation to all Lehigh men to be their guests at that time. This entertainment will be provided by '96 in celebration of winning the '91 Reunion Cup last June for the record attendance. The Class hopes to establish this as a custom which succeeding classes that capture the cup will follow.

Class of 1897

"While the Class of '97 was a small class, we hope to have a big percentage back at Lehigh in June," writes H. E.

Hale, Chairman of the Reunion Committee. Barry MacNutt is Secretary-Treasurer, and other members of the Committee are G. L. Yates and Thaddeus Merriman. A call for contributions has been sent out and arrangements are reported to be going along well.

Quiet Assemblage of 1907 Men

Inasmuch as the Class of 1907 moved its ten-year gathering ahead to correspond with the jubilee celebration of the University last June, there will be no reunion on an ambitious scale next month. Prof. R. L. Charles, South Bethlehem, has sent out post card inquiries as to the number who expect to return and will probably arrange for a 1907 group at the Bethlehem Club on Friday evening, June 8, when the Class of 1896 will be hosts.

1912 Men Will Be in Costume

Secretary George J. Shurts writes from Perth Amboy, N. J., that the five-year reunion committee of the Class of 1912 "promises that there will be something doing all the time on June 8 and 9 and no member of the class should miss the opportunity of wearing one of the novel costumes that will be provided. The class dinner will be held Friday evening at a place to be announced later. Suggestions as to making the reunion a success will be welcomed by members of the committee: M. I. Terwilliger, M. T. Coakley, H. H. Otto, H. M. Smyth and G. J. Shurts."

Other Reunion Classes

The following alumni of classes other than those already listed have been appointed by President Scovill of the Alumni Association to serve as chairmen of reunion committees:

Class of 1872, H. D. Scudder, Fidelity Trust Company, Newark, N. J.

Class of 1877 (Arrangements in charge of Walton Forstall, '91).

Class of 1887, George F. Pettinos, 304 North Fifteenth Street, Philadelphia.

Class of 1902, W. Frank Roberts, Bethlehem Steel Company, South Bethlehem.

Alumni Day Ball Game

The change of Lafayette's Alumni Day from Tuesday to Saturday now brings the gathering at Easton to the same date as that of Lehigh men. As each institution naturally wishes a home game on such an occasion, the final contest of the Lafayette-Lehigh baseball series, regularly the Alumni Day event at Lehigh, will be played on June 2. For Alumni Day at the University, the Athletic Committee had arranged to have the Columbia University team, 1916 'intercollegiate champions. Columbia's discontinuance of athletics makes it necessary to obtain another team for June 9. Either Brown or Tufts will probably be Lehigh's opponent.

Lodging Arrangements for Alumni

In view of the crowded conditions in the Bethlehems, returning alumni will find it difficult to obtain accommodations in hotels and boarding houses. All possible aid in so doing will be given Lehigh men who will write promptly to Chairman George C. Beck of the Local Arrangements Committee, Box 91, South Bethlehem.

To meet the situation the University will again place Taylor Gymnasium at the disposal of alumni as a dormitory, free of charge. Cots will be provided. Alumni desiring these accommodations should send word at once to Dr. Drinker, as the University has not a large supply of blankets. The Bethlehem Steel Company, through W. F. Roberts, '02, has kindly lent the University a number.

BACCALAUREATE SUNDAY.

The Baccalaureate sermon to the 1917 graduating class of the University will be delivered by the Rt. Rev. Charles Fiske, of Syracuse, Bishop of Central New York, at the service in Packer Memorial Church at 11 a.m., Sunday, June 10.

ALUMNI AND STUDENT LIST**Issue Just Out Has New Department of Alumni By Classes**

The University has recently mailed to every Lehigh man whose address is known to the President's office a copy of the new "List of Alumni and Students," issued under date of March, 1917. This is the fourth List since a form of publication separate from the University Register and the Alumni Proceedings was adopted in 1912.

A new feature that enhances the usefulness of the List—particularly for reunion class officers and secretaries of local alumni clubs—is the section of the volume, "Alumni by Classes." Here names of graduates, non-graduates and undergraduates are printed by classes, from 1869 to 1920. Holders of degrees are listed under the year in which their degrees were conferred. All others are listed with the highest class with which they were connected.

The sections of the List include also the regular alphabetical list, holders of honorary degrees, names of students who attended the preparatory department of 1871-1874, a table of living and deceased alumni, names of present and former trustees, teaching staff and administrative officers and a geographical list.

Alumni are urged to report to the President's office any corrections in the List and subsequent changes of occupation and addresses. The information desired follows:

Name in full; occupation, with official title, if any; street address of business office; street address of residence; degrees from other colleges, with name of college and year of graduation.

Reprints have been issued of a recent article in "The Geographical Review" on "The Contributions of Geodesy to Geography" by William Bowie, C.E., '95, Chief, Division of Geodesy, U. S. Coast and Geodetic Survey.

A recent issue of the "Employee's Magazine" of the Lehigh Valley Coal Company, Wilkes-Barre, contained an article on Safety in Mines by Thomas Thomas, B.S., '97, E.M., '98, Mining Superintendent of the Company.

ENROLLMENT 863 STUDENTS

New Register Presents Record Attendance—Statistics

The 1917 Register of Lehigh University was published April 10. The Registrar requests that as many names as possible of prospective students be turned in so that the Register may be sent to them.

The new Register shows that in this, the fifty-first year of Lehigh's history, the total student registration is 863, which surpasses all former records. There are 88 students more than last year, 158 more than in 1914, and 159 more than in 1907, each of these having been record years.

Twenty-nine states are represented in the regular student body of the University, Pennsylvania leading with 482, New Jersey coming second with 99 and other states in order as follows: New York 84, Maryland 35, Massachusetts 26, District of Columbia 21, Connecticut 17, Virginia 8. The geographical range is from New Hampshire to Florida, to Texas, to California, to Washington, to Minnesota, to New York.

As has been the case, from early years, Lehigh continues to draw from foreign countries. There are students in the University this year from thirteen countries of South America, Central America, Asia and Europe.

The summary of students by courses shows an enrollment of 246 in the Arts and Science Department, which includes Bachelor of Arts and Bachelor of Science students in Business Administration, Geology, Biology and Mathematics and Physics. The totals in the engineering courses follow: Civil Engineering, 113; Mechanical Engineering, 152; Mining Engineering, 77; Metallurgical Engineering, 26; Electrometallurgy, 29; Electrical Engineering, 98; Chemistry, 31; Chemical Engineering, 91.

TEACHING FORCE ITEMS.

Vice-President Emery served as one of the judges at a debate between students of Lafayette and Gettysburg Colleges at Easton on April 10.

Dr. Miller, Professor of Geology, gave a series of lectures on South America, in New York City, during the late winter under the auspices of the City Department of Public Instruction.

Professor Ullmann, head of the Department of Chemistry, read a paper at the April meeting of the Lehigh Valley Section of the American Chemical Society on "Simplified Method of Replacing Boric Acetate Separation."

At the eleventh annual meeting of the American Association of Collegiate Registrars in Lexington, Ky., April 25-27, Registrar Walters read a paper on "The Relation between High Grades in College and Success in After Life."

About a dozen members of the teaching staff are taking setting-up exercises and military drill in Taylor Gymnasium five times a week as a physical preparedness move.

1917 BACH FESTIVAL

Dr. Wolle's Famous Choir Will Sing at Lehigh, June 1 and 2

For the sixth consecutive year Lehigh University will be host to music lovers from all parts of the country who will, on Friday and Saturday, June 1 and 2, attend the Bach Festival to be held in Packer Memorial Church. The program announced by Dr. J. Fred. Wolle, conductor of the Bach Choir, includes seven cantatas and a motet for Friday at 4 p.m. and 8 p.m., and the Mass in B Minor for Saturday at 2 p.m. and 5 p.m.

Single tickets cost \$1, \$1.50 and \$2 per session and course tickets \$4, \$6 and \$8. For tickets and information as to lodging, alumni should address the A. C. Huff Music Store, Bethlehem.

In referring to the appearance of the Bach singers in New York City on January 20 last, when they took part in the seventy-fifth anniversary celebration of the New York Philharmonic Society, Mr. Henry T. Finck, music editor of the New York "Evening Post," termed them "the best choir in the United States." This trip was made through the generosity of Mr. Charles M. Schwab, who paid all of the expenses.

SPRING SPORTS AT LEHIGH

Will Retain Athletic Activities

In the conviction that, as long as the scholastic work of the University continues, sports—which furnish necessary relaxation from mental effort—should likewise be continued, the Athletic Committee of the University decided to have Lehigh teams play through their schedules. This is in accordance with the advice of Major-General Wood and with precedent set by the officials at West Point and Annapolis, where the full scholastic and athletic life was ordered to proceed without interruption. The Department of Physical Education, under Professor Reiter, is devoting itself to bringing the physical condition of the students to the highest efficiency, which is the best preparation for later military service.

Good Baseball Record Thus Far

War and weather have combined to wreck the best baseball schedule Lehigh has had in years. The opening game with New York University was called off because of unseasonable temperature and the first of the Lafayette series, listed for May 5, had to be postponed on account of rain. The disbanding of their teams eliminated the games with Yale, Cornell, Columbia, Syracuse and Johns Hopkins. Whether the post-season trips to western Pennsylvania and New England, June 11 to 20, will be taken is at this writing exceedingly doubtful, as members of the Lehigh team may by that time be in some form of national service.

The record in the games that have been played thus far is good. There were three early-season defeats and seven victories.

May 2	Lehigh..	5	Lebanon Valley..	4
April 27	Lehigh..	5	Carnegie Tech..	1
April 25	Lehigh..	10	Seton Hall.....	6
April 21	Lehigh..	10	Univ. of Penn....	4
April 18	Lehigh..	3	Swarthmore	5
April 14	Lehigh..	7	Albright	2
April 7	Lehigh..	15	Penn State.....	9
April 7	Lehigh..	0	Univ. of Va.....	4
April 6	Lehigh..	4	Wash. & Lee....	0
April 4	Lehigh..	5	Georgetown	6
Totals				41

The batting averages of the Lehigh team for ten games up to and includ-

ing the Lebanon Valley contest on May 2 follow:

	G.	AB.	R.	H.	AV.
Hurley, p.....	3	10	3	4	.400
C. Twombly, 1b.....	10	39	10	15	.385
Fishburn, ss.....	10	34	12	11	.324
Mathag, lf, cf, rf.....	10	35	13	11	.314
Maginnes, rf.....	6	17	4	5	.294
Achorn, 2b.....	10	38	7	11	.290
Lees, c.....	10	37	7	10	.270
Johnson, p.....	6	15	0	4	.267
W. McCarthy, 3b.....	9	34	4	8	.236
Winterhalter, lf.....	8	26	1	6	.231
Connell, cf.....	10	31	3	7	.226
E. Twombly, p.....	5	12	0	1	.083
R. McCarthy, 1b.....	1	3	0	0	.000
Wysocki, p.....	1	0	0	0	.000
Chapman, p.....	1	0	0	0	.000
Boiland	1	1	0	0	.000

Team

Lehigh lost, 3 to 2, on May 9, to the University of Pittsburgh.

In the first game of the series, on May 12, Lehigh easily defeated Lafayette, 16 to 4.

Won Lacrosse Championship

By defeating Swarthmore and the University of Pennsylvania, the Lehigh lacrosse team won the Southern Intercollegiate championship for the second successive year. The two other games played were with the Carlisle Indians, 8 to 2, and Pennsylvania State College, 14 to 1, both Lehigh victories.

The following were the players who took part in Lehigh's notable 5 to 4 victory over Pennsylvania on May 9: Tate, Walther, Kennedy, Rau, Greer, Barclay, Jenness, Lewis, Wait, Brobst, Alden, O'Brien, and Thomas.

This year's twelve is the third championship team Coach John Grimes has developed since taking charge in 1913.

Track and Field

At the University of Pennsylvania relay meet on April 28, A. S. Herrington, '20, tied for third place in the high jump. He cleared 5 feet 10½ inches, which establishes a new Lehigh record. In the one-mile relay of its class, the Lehigh team ran fifth, ahead of Lafayette.

Because of unsettled conditions the Lehigh Interscholastic meet will not be held on June 2.

Lehigh will be host at the Middle States Intercollegiates on Taylor Field, Saturday, May 19.

Successful Basketball Season

By defeating Penn State, Swarthmore and Lafayette in late season games, the Lehigh team came forward as a strong contender for title in the undetermined basketball championship of Pennsylvania. Of nineteen games, fifteen resulted in victory. No defeat was suffered on the home floor of Taylor Gymnasium; of the four contests lost, two were lost by a margin of one point. The most decisive defeat of the season was that administered by the University of Pittsburgh at Pittsburgh during the hard western trip.

The summary:

	L. U.	OPP.
New York University.....	24	20
Moravian College.....	42	24
Seton Hall.....	33	18
C. C. of N. Y.....	17	18
Muhlenberg.....	50	19
Lafayette.....	25	40
Juniata.....	35	20
Franklin and Marshall.....	39	21
Loyola College.....	68	20
Swarthmore.....	29	28
Carnegie Tech.....	37	32
Juniata College.....	27	21
University of Pittsburgh.....	19	34
Carnegie Tech.....	35	36
Washington and Jefferson.....	38	22
George Washington University.....	50	17
Penn State.....	35	18
Lafayette.....	31	20
Drexel Institute.....	48	10
Totals.....	682	427

Review of Wrestling Season

Four meets won, two lost, and second place in the Intercollegiates, was the record of Lehigh's 1917 wrestling team. In view of the unexpected loss, for various causes, of three veterans and the necessity of developing new material, the results are satisfactory and creditable to Coach Sheridan.

Springfield Y. M. C. A., University of Pittsburgh, Brown University and University of Pennsylvania were handily defeated. Penn State and Cornell triumphed over Lehigh in well-fought meets.

The last meet of the season in Taylor Gymnasium was among the best ever seen on this floor. Cornell was Lehigh's opponent. Every bout was a clean-cut struggle. There were just two "breaks," both of which favored Cornell. Cornell was returned a winner.

In the Intercollegiates at Ithaca, in March, Lehigh ran second to Cornell, with University of Pennsylvania a close third.

Action of Athletic Committee

The Athletic Committee of the University, at a recent meeting, adopted the following:

A student hereafter admitted to Lehigh University from another college or university shall not be permitted to participate in intercollegiate athletic contests within a period of one year from date of admission.

Any student holding a degree from a recognized college is ineligible to represent Lehigh University in intercollegiate athletic contests.

The giving of financial aid from any source whatever to students on account of athletic ability is discouraged.

No student shall be permitted to participate more than four years in intercollegiate athletics.

LEHIGH MEN IN THE LIMELIGHT

Dr. H. S. Drinker, E.M., '71, was elected President of the Association of College Presidents of Pennsylvania at the twentieth annual meeting in Philadelphia in February.

The Philadelphia "Public Ledger" of April 15 contained a statement by Edward M. Cooke, '87, Vice-President of the Keystone Telephone Company, in which were made known plans to include the Keystone Company in a trans-continental telephone system to be operated in connection with the Postal Telegraph and Cable Company.

Wallace Carl Riddick, C.E., '90, was inaugurated as President of the North Carolina College of Agriculture and Mechanic Arts, West Raleigh, N. C., on February 22. President Drinker, representing Lehigh University at the exercises, gave an address on "Public Service Movements in Colleges and Universities."

The Bethlehem Steel Company has acquired the Lehigh Coke Company and has taken over the management of the coke plant at South Bethlehem. In the reorganization E. G. Grace, E.E., '99, was elected Chairman of the Board; W. Frank Roberts, M.E., '02, President; C. A. Buck, B.S. (in Chem.), '87, Vice-President, and B. H. Jones, B.S., '94, E.M., '95, Secretary and Treasurer.

Floyd W. Parsons, E.M., '02, Editor of "Coal Age," gave a talk on "Co-operating with the Editor" before the Technical Publicity Association in New York City on March 8.

Fire Exits Urged by H. F. J. Porter, '78

The January 18 issue of "Engineering News" contained an editorial commenting upon an article describing fire safeguards for New York Hospital Patients:

Every engineer and every official responsible for the design or maintenance of buildings housing large numbers of people ought thoroughly to understand the great advantage that horizontal exits have over the ordinary vertical fire escapes to safeguard life in case of fire. The value of horizontal escapes and the defects of vertical fire escapes were first clearly recognized and stated by H. F. J. Porter (M.E., '78), Consulting Engineer, in a paper read in 1913 at the Baltimore meeting of the American Society of Mechanical Engineers. "Engineering News" was the first among technical journals to recognize and call attention to the great importance of the principles laid down in Mr. Porter's paper.

As some of our readers will recall, Mr. Porter demonstrated by figures based on actual experiments the utter inadequacy of the ordinary outside metal fire escapes or even of ordinary stairways to furnish sufficiently rapid egress for the crowds contained in many present-day buildings, in case of the rapid spread of fire. The horizontal exits that Mr. Porter advocated are provided by carrying a fireproof partition wall from the cellar to the roof with doorways at each floor, closed by fireproof doors. If a fire occurs on any floor, those threatened by it can quickly pass through the doorway to the other side of the firewall, and the door is closed behind them.

FIXATION OF NITROGEN

New Process by John E. Bucher, '91. Special Interest Due to War Situation

Experiments on the fixation of nitrogen as cyanide, conducted by John E. Bucher, A.C., '91, Professor of Chemistry in Brown University, have been given full presentation in recent issues of technical journals which praised Professor Bucher's process as being of vital interest and importance.

In an editorial entitled "Intellect Conquers Appetite," the "Journal of Industrial and Engineering Chemistry" for February described how the audience at the annual meeting of the Institute of Chemical Engineers in January insisted that Professor Bucher continue his thirty-minute discussion

of nitrogen fixation for two hours, disdaining to adjourn for refreshments. In March, the "Journal" printed Professor Bucher's paper, and "Metallurgical and Chemical Engineering," in issues of January 15 and March 15, gave accounts of his work. A report was presented of Professor Bucher's lecture on the subject at the College of the City of New York on March 2.

The new process for the fixation of nitrogen, as developed by Professor Bucher, is described by him as differing "primarily from all those now in commercial use in fixing nitrogen in the form of alkali cyanides instead of in the form of oxides of nitrogen, calcium cyanamid, nitrides, or ammonia."

"It is further characterized by operating at very moderate temperatures such as 900° to 950° C. so that it is not dependent upon cheap electric power and it can, because of this moderate temperature, be operated in iron retorts. It is of the utmost simplicity, uses iron, which is the cheapest metallic catalyzer, and does not require pure materials such as nitrogen but can use air or producer gas just as well. It requires no special apparatus and can hence be operated at once with what can be found in practically every manufacturing community. It does not require skilled labor to operate it, and it is pre-eminently a method which can be installed quickly in an emergency for the preparation of cyanides, ammonia and nitric acid."

Professor Bucher cites, in his paper, the statement of Walter S. Landis, Met.E., '02, M.S., '06, in "Transactions of the American Electrochemical Society," that "we would need 180,000 tons of nitric acid per year in case of war with any first-class power and that it is of the utmost importance to have some ready means of getting this from atmospheric nitrogen."

FOR WAR AEROPLANES

Packard Company Has Developed a Powerful New Motor

In line with its policy of patriotic service, the Packard Motor Car Company began many months ago study and experimentation to contribute to the military resources of the United States an element hitherto lacking—a really powerful motor for war aeroplanes. While flying machines had their first practical development in this country, it has been in Europe that aeroplane motors have been brought up to the taxing demands of

high and rapid flight over hostile country.

The success that has now rewarded the Packard Company's aim to produce a motor capable of use over battle-fields was told of by Alvan Macauley, of the Class of '92, President of the Company, at the recent annual dinner of the Detroit Lehigh Alumni Club. The new Packard motor for war planes was described by Mr. Macauley as being of twelve cylinders, four-inch bore by six-inch stroke, with a weight of 800 pounds. At 2180 revolutions per minute it delivers approximately 230 horsepower, or about one horsepower for each $3\frac{1}{2}$ pounds of weight. When it is recalled that the first gasoline motor delivered one horsepower for each 1700 pounds of weight, the advance in the art represented by this new motor can be appreciated.

"In general," said Mr. Macauley, "the construction of the motor follows the lines of our Twin Six motor as used in our cars. The cylinders are all steel, being formed out of solid billets, with the water jackets welded on. Overhead valves are employed, and the motor is equipped with generator and is self-starting and lighting."

The development of this war motor was carried through by the Packard Company at great expense as a patriotic undertaking with no prospect of adequate return from the one customer, the United States Government.

Praise for Dean Schneider, '94

The work of Herman Schneider, B.S., '94, in developing the co-operative system of education in the College of Engineering, University of Cincinnati, was the subject of a Bulletin by Prof. C. W. Park, recently issued by the Bureau of Education, Department of the Interior. In his letter of transmittal of the Bulletin, Commissioner P. P. Claxton referred to Dean Schneider's co-operative system as "one of the most interesting and instructive experiments in education within recent years."

The March issue of the "American Magazine" contained an article by Merle Crowell on Dean Schneider's life and achievements, which included this

tribute: "With his university as a human laboratory, he is showing America how to eliminate human misfits, how to prevent modern industry from making failures of men who have every right to be successful."

LEHIGH MEN WHO WRITE

Curve and Switch Work, W. Rench, '91

W. F. Rench, '91, Supervisor, Pennsylvania Railroad, is the author of "Simplified Curve and Switch Work," recently published in the Railway Man's Library series. It is a book of 206 pages, of convenient pocket size, in which Mr. Rench presents "a simplification of methods for solving curve and switch problems." The methods and rules given are useful to the supervisor and track foreman who possesses the necessary preliminary knowledge of the subject, and they should prove particularly helpful to the young engineering graduate. This is a practical book by a practical man of long and broad experience.

"Simplified Curve and Switch Work," by W. F. Rench, Railway Educational Press, Inc., Chicago.

Gravity and Isostasy, W. Bowie, '95

An important publication of the United States Coast and Geodetic Survey entitled "Investigations of Gravity and Isostasy," by William Bowie, C.E., '95, Chief of the Division of Geodesy, has recently been issued. Mr. Bowie has for years been connected with the geodetic work of the Government and this paper forms his seventh published contribution to one of the most fundamental problems of the earth, a problem in which both geologists and physicists are alike interested. In his latest contribution, Mr. Bowie assembles and discusses the results obtained from 219 gravity stations in the United States and from 155 stations in foreign countries. Exact data of this kind establish beyond doubt the theory of isostasy which for many years lacked positive proof.

Were the earth composed of homogeneous material its figure of equilibrium would be an ellipsoid of revolution. However, owing to the heterogeneous character of the materials of

the earth, according to the theory of isostasy, "the actual surface of the earth" is "a slight departure from the ellipsoid of revolution in the sense that above each region of deficient density there is "a bulge or bump on the ellipsoid, and above each region of excessive density there is a hollow, relatively speaking. The bumps on this supposed earth" are "the mountains, the plateaus, the continents, and the hollows are the oceans." The results thus far obtained indicate that such is the case and that the continents as a whole and the larger portions of the individual continents are almost perfectly compensated or in a state of isostatic adjustment.

One of the extremely interesting chapters in Mr. Bowie's contribution discusses the relation between the gravity anomalies and the geological formations, in which he shows that the areas where pre-Cambrian and Mesozoic rocks are exposed at the surface are relatively more dense than the portions of the crust composed of Paleozoic and Cenozoic formations. In discussing the first group of rocks he says: "It is a noteworthy fact that the pre-Cambrian stations in the United States show an excess of gravity in general, and that they are on areas which have been subjected to erosive action for geologic ages. We may conclude that as erosion has taken place there has been a rising of the areas due probably to isostatic adjustment."

The value of Mr. Bowie's work can scarcely be overestimated as such data as he gives furnish evidence for interpreting past movements of the earth's crust and explain the basis for the present configuration of the globe.

It is of interest to note that Prof. Joseph Barrell, B.S., '92, E.M., '93, M.S., '97, Sc.D. (Hon.), '16, in a series of articles entitled "The Strength of the Earth's Crust," published in 1914-1915, has described important investigations along the same line as that followed by Mr. Bowie.

Physics, Franklin and MacNutt, '97

There was published in January a new text in "General Physics" by Dr. W. S. Franklin and Barry MacNutt,

E.E., '97, M.S., '98, Professor of Physics in Lehigh University, that will be especially welcome to teachers who want to use the texts and methods of these authors but who have hitherto found it necessary, in using their books, to omit a considerable amount from each as being too highly specialized.

The new volume is divided into five parts: Mechanics, Heat, Electricity and Magnetism, Light and Sound. The problems—about four hundred in number—are in an appendix; and in a second appendix there is a short discussion of differential and integral calculus. The authors make frequent use of the methods of differential calculus. Concerning this they say, in a special introduction headed "Calculus, the Arithmetic of Physics":

"The method of differential calculus is used quite freely in this elementary treatise on physics, but the authors believe that the use of this text does not depend upon the previous study of calculus by the student. Indeed the authors are convinced that the use of this book or its equivalent is a necessary preparation for the study of calculus; and the authors suggest that the student be required to turn again and again to the brief discussion of the methods of differential and integral calculus, in Appendix B."

This book has the merits of clear thinking and simplicity of expression that characterize in general the work of these authors; and, among some half dozen prominent texts recently considered, it appears to the present reviewer to rank highest.

P. A. Roche, '80, of Syracuse, N. Y., had an article in a recent issue of the "Scientific American" on sub-aqueous mining of anthracite coal in river beds of the Susquehanna, Schuylkill and Lehigh.

Charles C. Hopkins, B.S., '82, C.E., '84, consulting engineer, Rochester, N. Y., had a letter in the May 3 issue of "Engineering News-Record" on "Low-Priced Rock Tunneling."

In its series of Great Short Stories, "The Independent" of April 15 reproduced "A Wasted Day" by the late Richard Harding Davis, '86.

A recent number of "The Nation" contained a poem, "Crucifixions," by M. A. De Wolfe Howe, B.A., '86, Litt.D., '16.

The May "Proceedings of the Engineers' Club of Philadelphia" has an educational section describing technical institutions within and close to the city edited by the Past President of the Club, J. W. Ledoux, C.E., '87, Chief Engineer of the American Pipe and Construction Company.

The Metropolitan Magazine is bringing out serially "The Adventures and Letters of Richard Harding Davis," '86, edited by his brother, Charles Belmont Davis, '88.

The April number of the "American Magazine" contained an article by Dr. Herman Schneider, B.S., '94, Dean of the College of Engineering of the University of Cincinnati, on "Are You a Square Peg in a Round Hole?"

The leading article of the April 7 issue of "Coal Age" was "The Million Dollar Man" by Floyd W. Parsons, E.M., '02. It was a sketch of Eugene G. Grace, E.E., '99, President of the Bethlehem Steel Company.

"Water Supply and Sewage Disposal for Country Houses" was the subject of an article in the April 25 number of "The American Architect" by George L. Robinson, '03, President of the New York Sewage Disposal Company.

In a blue-print pamphlet, "Why the Railroad Man Should Stay on the Job," Lester Bernstein, C.E., '04, with the Baltimore & Ohio Railroad, Baltimore, describes the dependence of modern military forces upon railroad lines and maintains that railroad men can best serve the country by "staying on the job."

"Glenmere White Monarch and the Gas-House Pup" was the title of a dog story in the March 17 issue of the "Saturday Evening Post," written by Ralph G. Kirk, Met.E., '05, of Harrisburg. Mr. Kirk has been asked by "The Editor," a journal for literary workers, to give an account for its pages of the origin of this story.

An article by Raymond Walters, B.A., '07, M.A., '13, Registrar and Instructor in English, Lehigh University, on "The Bach Festival as a Community Enterprise" appeared in the May number of "The Playground,"

the magazine of the Playground and Recreation Society of America.

Frank H. Kaiser, '09, Metallurgist with the Sullivan Machine Company, Claremont, N. H., contributed an article, "Suggestions for Selecting and Testing Drill Steel," published in the March 22 issue of "Engineering News."

In quarter-page newspaper advertisements, the "Evening Ledger" of Philadelphia has recently proclaimed its daily presentation of golf news and gossip by "Sandy McNiblick," which is the nom de plume of Percy Sanderson, B.A., '14. Along with a sketch of Mr. Sanderson by cartoonist Sikes appeared this verse by T. A. Daly:

Ho! Hark ye, dear public!
Here's Sandy McNiblick
To make you forget what is gruesome and grimy;
Though war's in the offing
He'll take you "a-golfing";
A fig for your cares! for he'll lay them a stymie.

Joseph Henry Benner, '16, Instructor in English and History in the Nazareth High School, has had short stories published recently in the Philadelphia "North American," in "The Young People's Paper" and in "The Opera House Reporter."

MARRIED

Conner—Cressman

Miss Charlotte Cressman, of East Greenville, Pa., and John L. Conner, E.E., '13, were married on April 14. Mr. Conner, who was for three years an Instructor in Electrical Engineering in Lehigh University, is now in the employ of the Philadelphia Electric Company.

Cole—Doster

The wedding of Miss Dorothy Doster, daughter of Gen. W. E. Doster, of Bethlehem, and Benjamin E. Cole, M.E., '13, took place on March 13 in the Old Moravian Chapel, Bethlehem. Curtis T. Franklin, '12, was best man. The ushers included Ezra Bowen, IV, B.S., '13, M.S., '16, and Walter P. Berg, '17. Mr. and Mrs. Cole are living in their new home on the William Penn Highway, Bethlehem. Mr. Cole is em-

ployed in the metallurgical department of the Bethlehem Steel Company. He is First Lieutenant of Battery A, First Field Artillery, N. G. P.

Church—Bolitho

Miss Mildred Bolitho, daughter of Mr. and Mrs. William Bolitho, of Norway, Mich., and Owen B. Church, '14, were married on November 29 last. They are at home at 124 Elmhurst Avenue, Detroit. Mr. Church is in the fenestra department of the Detroit Steel Products Company.

Overfield—Warg

Miss Lillian E. Warg, of Bethlehem, and Gerald M. Overfield, C.E., '14, with the engineering department of the Bethlehem Steel Company, were married on February 15. Mr. and Mrs. Overfield are at home at 816 North Center Street, Bethlehem.

Diven—Carpenter

Miss Marjorie Carpenter, only daughter of Mr. and Mrs. H. Manning Carpenter, 312 West End Avenue, New York City, and Alexander S. Diven, 3rd, C.E., '15, were married on April 14. The best man was Arent H. Schuyler, Met.E., '15. Mr. and Mrs. Diven are living in Philadelphia where Mr. Diven is in the employ of David Lup-ton's Sons Co.

Christ—Bachman

Miss Pauline M. Bachman, daughter of Mr. and Mrs. William H. Bachman, of Allentown, was married on March 17 to Roy H. Christ, a B.S. graduate of Moravian College, who was a student in Metallurgy at Lehigh in 1915-16 and is now employed in the electro-metallurgical department of the Bethlehem Steel Company. Mr. and Mrs. Christ are at home at 1135 Liberty Street, Allentown.

Rawle—Funck

Miss Selma Funck, of Tomkinsville, N. Y., and Joseph F. Rawle, a post-graduate student in the Civil Engineering course in the University, were married on February 12. Mr. Rawle was a star pitcher and outfielder of the 1916 Lehigh baseball team. Mr. and Mrs. Rawle are now on the Pacific Coast.

Stoudt—Mader

Miss Emadele Mader, daughter of Mr. and Mrs. Paul Mader, of East Stroudsburg, Pa., and Morris E. Stoudt, C.E., '16, were married on April 25. They are at home at 331 West North Street, Bethlehem. Mr. Stoudt is associated with his father, Howard E. Stoudt, contractor, Bethlehem.

Robinson—Linderman

The wedding of Miss Evelyn Linderman, daughter of Mrs. Ruth May (Sayre) Linderman, of Fountain Hill, and Edward Moore Robinson, jr., a member of the Senior Class of the University, took place on May 5. The bride is a daughter of the late Robert Packer Linderman, Ph.B., '84, former President of the Bethlehem Iron Company, who was a grandson of Asa Packer, founder of Lehigh. On her mother's side she is a granddaughter of the late Robert H. Sayre, a Trustee of the University for many years. The groom was graduated from Harvard College in 1915 and has been taking the course in Mining Engineering at Lehigh. He is a member of the Engineer Reserve Corps of the United States Army and is now in camp.

The wedding took place in the Church of the Nativity, the Rev. Frederick Beekman performing the ceremony. Bishop Ethelbert Talbot, of the University Board of Trustees, invoked the blessing. The bride was given in marriage by her brother-in-law, John Arthur Frick, M.E., '03, of Allentown. These Lehigh men were among the ushers: R. L. Colby, '17, of South Bethlehem; Donald Markle, '16, of Hazleton; Edward C. Davidson, jr., '18, of Elizabeth, N. J.; Francis L. Stephenson, E.M., '16, of Scranton, and W. Allison Richards, '17, of Pottsville.

At the reception in the Linderman home announcement was made of the engagement of the maid of honor, Miss Christine Linderman, youngest daughter of Mrs. R. P. Linderman, to Mr. Richards, a son of Mr. W. J. Richards, President of the Philadelphia & Reading Coal and Iron Company. Mr. Richards was a member of the 1916 Lehigh football team. He will receive the degree of Engineer of Mines in June.

OBITUARY

William Atkins, '73

William Atkins, '73, Treasurer of the Kingwood Coal Company, Philadelphia, died on March 24 at the Hotel Strand, Atlantic City, aged 62 years. He was a son of Charles M. Atkins, founder of the Pottsville Iron and Steel Company. He attended Lehigh University for two years. For the past five years Mr. Atkins made his residence at the Union League of Philadelphia.

Wyndham Stokes, '88

Wyndham Stokes, B.S., '88, E.M., '89, of the law firm of Stokes and Sale, Welch, W. Va., died on March 12, in a Baltimore hospital, following several strokes of paralysis. A funeral service was held in St. Luke's Episcopal Church, Germantown, Pa., at which a number of Lehigh alumni were present.

Wyndham Harvey Stokes was born July 13, 1866, in Germantown, a son of the late Charles H. Stokes and Victoria Davis Stokes. After a brief attendance at the University of Pennsylvania, he entered Lehigh and was graduated with the degree of Bachelor of Science in 1888, and as a Mining Engineer in 1889. While in the University he was Editor-in-Chief of the "Burr," an Executive Committee member of the Mustard and Cheese Dramatic Club, a member of the Sword and Crescent Society, and the old Theta Nu Epsilon. He belonged to the Chi Phi fraternity. As a student and later as an alumnus he was active in Lehigh's interests.

For six years after graduation Mr. Stevens engaged in engineering, becoming Supervisor of the Shenandoah Division of the Norfolk and Western Railway Company. In 1895 he entered the law department of Washington and Lee University and gained the B.L. degree in one year, an unusual achievement. Mr. Stokes in 1896 began to practice law in Bluefield, W. Va., where, for a time, he was associated with Judge David E. Johnson. Upon moving to Welch, he practiced with James A. Strother and then alone up to 1903, when he became associated

with Graham Sale. He was prominent in the American Bar Association, was Vice-President of the West Virginia Bar Association and President of the McDowell County Bar Association. Mr. Stokes was for some years a member of the Democratic State Committee of West Virginia and was Chairman of the Democratic Committee of McDowell County. As a Mason Mr. Stokes was Grand Master for the State of West Virginia and Grand High Priest for the Royal Arch Masons of the State.

The survivors are two sons, Wyndham, jr., and Charles, and one brother and three sisters.

Beekman DuBarry, jr., M.E., '95

Following a short illness with pneumonia, Beekman DuBarry, jr., M.E., '95, died on April 14 in Washington, D. C. Funeral services were held in the Old Cadet Chapel, West Point, N. Y., and interment was made in the family plot in the West Point Cemetery.

Mr. DuBarry was born in Washington on December 12, 1872, the only son of the late Brigadier-General Beekman DuBarry and Helen (Bratt) DuBarry. He was a grandson of Dr. Edmund Louis DuBarry, Surgeon, U. S. Navy, and great-grandson of Jean Baptiste Marie DuBarry, of France, who came to Philadelphia, a refugee from San Domingo, during the insurrection of 1773.

After attending the Columbian University Scientific School, he entered Lehigh University and was graduated as a Mechanical Engineer in 1895. While in the University he was a member of the old Theta Nu Epsilon, the Junior dancing club, the Junior Hop Committee and the Brush Club. He belonged to the Phi Delta Theta Fraternity.

After graduation Mr. DuBarry entered the construction shops of the Pennsylvania Railroad. He was engaged in engineering consulting practice for many years, living at Fort Montgomery, Highland Falls, N. Y. The accidental blow on the head of a heavy falling piece of iron injured him seriously some years ago and made him an invalid for the rest of his life.

The survivors are his widow, Mrs. Harriet (Wescoe) DuBarry and his sister, Miss Helen DuBarry.

C. W. W. H. Pocock, '05

It has been learned recently that C. W. W. H. Pocock, a former student in the Mining course at Lehigh, Class of 1905, died on July 18, 1916, aged 34 years. Mr. Pocock had been a mining engineer with the Northern Ore Co., at Edwards, N. Y.

Thomas M. Clarke, '12

Thomas M. Clarke, a former Civil Engineering student in the Class of 1912, died on February 28 at Rochester, N. Y., after an illness for some months. He was born at Hokendauqua, Pa., on September 12, 1885, a son of the late John and Margaret Clarke. He attended the Hokendauqua High School, the Moravian Parochial School, Bethlehem, and the Bethlehem Preparatory School, entering Lehigh in September, 1908. From 1912 to 1915, Mr. Clarke was employed in the telegraph department of the Long Island Railroad and from 1915 to his death with the New York State Highway Commission at Rochester, N. Y. He served for several months in 1916 with Company A, Third Regiment, N. Y. National Guard. The survivors are one sister and five brothers.

PERSONALS

Class of 1870.—William R. Butler, M.E., of Mauch Chunk, was the guest of honor at the banquet on April 21 of the Freshman Class of Lehigh University.

Class of 1887.—Ralph W. Lee, fire and liability insurance, has removed to Suite 508 in the Colorado Bldg., 14th and G Streets, N. W., Washington, D. C.

Class of 1888.—General Order No. 10 of the Lehigh and New England Railroad Company, issued March 1, announces the appointment of E. H. Shipman C.E., '88, as Chief Engineer, in charge of Engineering, Construction and Valuation, with office at South Bethlehem.

Dr. Albert G. Rau, B.S., M.S., '02, Dean of Moravian College, Bethlehem, was the principal speaker at the banquet of the Class of 1919, Lehigh University, on April 20. His topic was "The Young Man's Hour."

Class of 1889.—The Bethlehem bridge commission, in charge of the erection of the million dollar bridge between Bethlehem and South Bethlehem, has appointed as engineer Clarence W. Hudson, C.E., consulting engineer, New York City.

Class of 1891.—H. T. Morris, M.E., Engineer, Ordnance Department of the Bethlehem Steel Company, has been appointed Superintendent of the Projectile Departments of the Company.

Walton Forstall, E.E., Assistant Engineer of Distribution of the United Gas Improvement Co., Philadelphia, has been elected a member of the Board of Managers of the Franklin Institute.

Class of 1894.—James L. Burley, C.E., architect, 347 Fifth Avenue, New York City, has returned from Altadena, California, where he designed and supervised the construction of a residence for F. W. Sewell.

Class of 1895.—Franklin Baker, jr., B.S. (in Mining), President of the Franklin Baker Company, Philadelphia, recently returned from a trip to Panama.

Rev. William A. Lambert, B.A., M.A., '16, has been called to the pastorate of Grace Lutheran Church, South Allentown, and will take charge on June 1. For several years Mr. Lambert has been pastor of St. James' Lutheran Church, Lebanon.

Class of 1896.—Albert W. Harned, who has studied under Groff, Shakespeare, Randegger, Correlli and Del Puente, has studios, as a teacher of singing, at 1329 G Street, N. W., Washington, D. C.

Class of 1897.—John Stewart, jr., B.S. (in Mining), was recently appointed Chairman of the Coal Car Allotment Commission of the Norfolk & Western Railway Company, with office at Bluefield, W. Va.

Class of 1898.—The National Railway Appliance Co. has taken over the railway department business of the U. S. Metal and Manufacturing Co., with temporary offices at 165 Broadway, New York. E. D. Hillman, M.E., is Secretary and Engineer of the Company.

Class of 1899.—V. H. Reid, C.E., who had been at Semans, Canada, for some years, is now located at Marshalltown, Ia., with the Hayes Construction Co.

J. A. Singmaster, who was General Superintendent of the New Jersey Zinc Company, Palmerton, Pa., has been made General Technical Manager of the Company at 55 Wall Street, New York City.

Class of 1900.—Joseph A. Steinmetz, of Janney, Steinmetz & Co., Philadelphia, was recently appointed one of four members of a Committee on Cooperation for National Defense of the Engineers' Club of Philadelphia.

John N. Reese, C.E., formerly Superintendent of Northern Blast Furnaces for the Republic Iron & Steel Co., Youngstown, O., has been placed in charge of mining operations with the title of Assistant to the General Superintendent.

Class of 1903.—Henry R. Walters, C.E., has been appointed Real Estate Agent of the Bethlehem Steel Company, with office in South Bethlehem. Mr. Walters was for some years Fabricating Engineer of the Company.

Class of 1904.—Ralph G. Johnson, C.E., has been elected Vice-President of the Dravo Contracting Company, general contractors, Pittsburgh.

Class of 1905.—At a recent meeting of the Chicago Section of the Illuminating Engineering Society, a talk on "Factory Lighting" was given by C. E. Clewell, E.E., Assistant Professor of Electrical Engineering in the University of Pennsylvania.

Class of 1906.—Kenneth Mills, C.E., is in the employ of the Columbia Phonograph Company, Detroit.

Henry J. Lose is now General Manager of the U. S. Metal Goods Company, Cleveland, Ohio, with residence

at the Hotel Regent, Cleveland. Mr. Lose was formerly with the Hudson Motor Car Company in Detroit.

The executors of the estate of Charles F. Schneider have announced that the business of the Union Iron Works, Washington, D. C., will continue under the direction of J. H. Ford, E.E., as General Manager.

Class of 1907.—J. F. Hanst, E.M., has resigned his position with the Cleveland Cliffs Iron Company to enter the employ of the Andes Copper Mining Company at Potrerillos, Chile. Mr. Hanst and family sailed from New York for Chile on April 7, by way of Cuba and the Panama Canal.

John A. Brodhead, M.E., Educational Director of the Young Men's Christian Association at Wilmerding, Pa., has resigned to take a similar position in Y. M. C. A. work in Cincinnati.

Class of 1908.—Stanley A. Zweibel, State Supervisor on Industrial Education, was elected by the Bethlehem and South Bethlehem School Boards to supervise the new vocational training course of students in the high schools, in which the Bethlehem Steel Company is co-operating.

Class of 1909.—Harry O. Kent, Ch.E., formerly Manager of the Renewal Department of the North American Life Insurance Company, Chicago, is in the Department of Efficiency, Montgomery, Ward & Co., Chicago.

Class of 1910.—H. F. Blanchard has been promoted to be Sales Manager of the Thermoid Rubber Company, with office at the plant in Trenton, N. J. Mr. Blanchard was formerly in the Philadelphia branch office of the Company.

W. G. Moore, C.E., has recently become associated with the banking house of Robert Garrett and Sons, of Baltimore, for whom he will investigate properties from the standpoint of engineering operation. Mr. Moore was for several years after graduation on the staff of the operating Vice-President of the Baltimore and Ohio Railroad and was later Division Engineer of the railroad in New York City.

A biographical sketch and photograph of Paul S. Warriner, the new Division Engineer of the Wyoming Division of the Lehigh Valley Coal Company, appeared in the February issue of the "Employees' Magazine" of the Company.

Class of 1911.—Samuel C. Wagner, who has been with the Union Electric Light and Power Company, St. Louis, for some time, was on April 1 promoted to be Superintendent of Distribution for the St. Louis County Division of the Company.

A. J. Standing, E.E., formerly Assistant Superintendent, has been promoted to be Superintendent of the Electrical Department of the Saucon Plant, Bethlehem Steel Company.

Class of 1912.—Edward J. Burnell has been transferred from the Philadelphia plant of the Link Belt Company to the Pittsburgh office, 1501 Park Building.

Warren R. Seyfried, Ch.E., with the American Cyanamid Company, has been transferred from Niagara Falls, Canada, to the Ammos-Phos Works of the Company at Elizabeth, N. J.

Class of 1913.—Walter R. King, C.E., who is now with David Lupton's Sons Company, Philadelphia, was transferred in April to the Detroit sales office of the Company.

Class of 1914.—George Forster, E.E., formerly with the Hudson Coal Company, Scranton, is now Instructor in Mathematics and Science in the Frankford High School, Philadelphia.

Charles W. Blazer, who was formerly with the Allentown Water Company, is now in the employ of the Hooker Electrical Chemical Company, Niagara Falls, N. Y.

E. B. C. Goyme has been transferred to the office of the Bethlehem Steel Company in St. Louis, where he is Assistant Sales Agent under J. M. Price, '12, Sales Agent.

A daughter, Mary Louise, was born on February 18 to Ledlie D. Moore, E.M., and Mrs. Moore, 330 Norwood Avenue, Providence, R. I.

A son, George Ritchie, was born on February 22 last to Arthur L. Keller and Sadie (Gendall) Keller, 727 Main Street, Peckville, Pa.

Kenneth M. Raynor, E.E., has been appointed Assistant Superintendent of the Electrical Department of the Lehigh Plant, Bethlehem Steel Company.

A daughter, Gizela Elizabeth, was born on April 12 to George F. Wolfe, C.E., and Gizela (Zermany) Wolfe, 443 Connecticut Avenue, Rochester, Pa.

Class of 1915.—J. Stanley Clark, C.E., is now in the Conveyor Belt Department of the B. F. Goodrich Rubber Co., Akron, Ohio. Mr. Clark was formerly in railroad work in Pittsburgh.

Alexander S. Diven, 3rd, has entered the Engineering Department of David Lupton's Sons Co., of Philadelphia, manufacturers of steel sash. He was lately with the Pennsylvania Railroad at Baltimore.

Lloyd Hoffman, B.S., is in Dutch Guiana, South America, on a three months' stay, in the interest of the South America Development Co.

Vincent J. Pazetti, jr., who was popular choice for All-American quarterback in 1913, has been appointed Night Superintendent of the Open Hearth Plant No. 2 of the Bethlehem Steel Company. Mr. Pazetti had been melting foreman in this department.

Class of 1916.—C. Donald Swartz has become associated with Smithers, Moise & Lank in the general practice of Law at Suite 1100-3, Land Title Building, Philadelphia.

A daughter, Katharine Wilbur, was born to Francis Lewis Stephenson, E.M., and Helen (Wilbur) Stephenson, 1121 Myrtle Street, Scranton, on March 16.

The subject of the Freshman competition for the Price Prize in English Composition this year is "The Life and Works of Richard Harding Davis." The stipulation is that the essays shall devote attention to Mr. Davis's literary work while a student at Lehigh in the class of 1886.

News of the Local Alumni Clubs

Pittsburgh Lehigh Club

As usual there will be a good-sized delegation of the Pittsburgh Lehigh Club on hand for the Association meeting and the festivities of Alumni Day at the University on June 9.

What was probably the largest gathering in the history of the Club took place on Saturday, March 17, at the Pittsburgh Club when the attendance of alumni and friends at the informal dinner was more than two hundred. The following is the account of Secretary McNiff:

"The special honor guests for the occasion were H. H. Scovil, '00, President of the General Alumni Association; Aubrey Weymouth, '94, President of the Lehigh Club of New York, and Dr. H. R. Price, '71, President of the Board of Trustees of the University. In addition, Vice-President Emery, of the University, and other well-known Lehigh representatives from New York, Philadelphia, Washington, Bethlehem, Altoona and Canton came on for the dinner and festivities.

"President Allderdice received a letter from Dr. Drinker, who at this time was recuperating after an illness at Camden, S. C., regretting his inability to be with us. He was greatly missed by all the Pittsburgh Lehigh Club members as our gatherings generally are attended by him, and his presence is a source of great pleasure to the Lehigh men in this neck of the woods. Vice-President Emery ably represented the University and gave a short talk on recent doings at the University and future developments that are contemplated.

"Aubrey Weymouth spoke of New York Lehigh Club affairs. Dr. Price also favored us with a short talk and "Hank" Scovil compared the Pittsburgh Lehigh Club at the present with the time when he, after leaving Lehigh, first came to the Pittsburgh district to get his toe hold on the practical world.

"After the dinner and speeches a Lehigh cabaret was presented by a round-up of old Mustard and Cheese and minstrel show men. A short minstrel show was given, each end man in turn doing his stunt.

"The dramatis personae: G. H. Neilson, '85, Interlocutor; Bones, G. W. Ritchie, '93, R. G. Johnson, '03, and A. K. Brumbaugh, '09: Tambos, F. D. Hallock, '94, H. W. Eisenhart, '03, and P. P. Reese, '03. In the chorus were G. M. Baker, '07, Bruce Swope, '07, J. D. Berg, '05, and D. H. Hunter, '11. W. A. Cornelius, '89, and H. H. McClintic, '88, gave an impersonation of Bud Fisher's well-known cartoons. Brumbaugh, as Boots Taka, assisted by the entire company, closed the cabaret with an interpretation of Hawaiian terpsichorean art.

"Among the guests were:

"Taylor Allderdice, '83 (President); Aubrey Weymouth, '94; T. J. Bray, '94; W. F. Roberts, '02; H. D. Williams, '87; F. R. Dravo, '87; Dr. H. R. Price, '70; Geo. H. Neilson, '85; Chas. L. Taylor, '76; Dr. N. M. Emery, '99; H. H. Scovil, '00; de Courcy Browne, '07; E. H. Beazell, '90; T. A. Straub, '90; R. E. Kresge, '96; G. S. Baton, '94; E. P. Van Kirk, '87; L. F. Galbraith, '08; J. B. Semple, '92; W. F. Devens, '87; P. Hutchinson, '04; E. B. Mitchell, '87; Bruce Swope, '07; Richard B. Osbourne, '09; A. S. Blank, '15; L. B. Knox, '12; J. D. Berg, '05; G. W. Ritchie, '93; F. D. Hallock, '94; R. G. Johnson, '04; H. W. Eisenhart, '03; P. P. Reese, '03; R. S. Perry, '88; J. J. Edson, '93; W. R. Stinemetz, '93; S. B. Knox, '93; P. H. W. Smith, '92; A. Sheldon, '93; J. W. Dougherty, '89; J. J. Lincoln, '89; H. W. DuBois, '92; Emil Diebitsch, '89; H. H. McClintic, '88; J. A. Clarke, jr., '09; R. McMinn, '07; L. C. Zollinger, '09; J. J. Nolan, '01; J. Bright, '10; N. G. Smith, '06; F. T. Leilich, '08; C. S. Curtis, '03; R. T. Morrow, '82; C. D. Marshall, '88; E. N. Conover, '11; T. M. Girdler, '03; J. M. Fouse, '04; L. W. Janeway, '07; H. G. Spilsbury, '11; E. M. Fox, '10; H. B. Cleveland, '04; J. J. Komara, '07; M. H. Schmid, '07; E. E. Ross, '08; E. H. Allison, '07; E. A. Warner, jr., '10; L. P. Struble, '09; A. G. Black, '12; G. M. Baker, '07; H. D. Wilson, '01; C. N. Shank, '09; P. B. Straub, '97; R. F. Crump, '11; H. C. Gerwig, '10; I. J. Freedman, '07; W. H. Beck, '90; A. H. Hafner, '08; C. C. Burgess, '95; C. H. Ohlweiler, '05; E. E. Brosius, '83; R. N. Miller, '08; H. L. Auchmuty, '85; D. R. Ohlweiler, '04; G. C. Hutchinson, '94; R. M. Dravo, '89; F. C. Anderson, '08; J. B. Luckie, '09; W. A. Cornelius, '89; L. H. Marshall, '96; S. D. Cushing, '92; T. Gjersten, '92; E. S. Illig, '97; F. E. Troutman, '08; C. W. Bretland, '03; J. C. Fitzharris, '10; H. A. Porterfield, '83; D. K. Nicholson, '85; T. Nicholson, '83; J. F. Leonard, '05; A. C. Howard, '90; H. T. Irwin, '97; E. H. Cox, '91; Hartley Howard, '92; J. J. Gibson, '95; E. T. Gott, '06; R. P. Barnard, '89; H. R. Blicke, '93; L. P. Wragg, '13; L. H. Allport, '97; G. W. Snyder, '85; H. H. Scovil, '99; David Hall, '96; L. Allen, '16; S. B. Scruggs, '15; C. H. Schuttler, '16;

G. A. Smith, '16; W. A. Cannon, '16; D. H. Hunter, '11; S. D. Williams, '13; W. B. Coleman, '13; Henry Spuhler, jr., '17; Conrad Schneider, '13; H. W. Graham, '14; P. E. Reinhold, '13; J. H. Throm, '11; V. B. Edwards, '12; R. W. Over, '13; J. M. Fritz, '13; F. H. Lewis, '13; C. E. Loos, '14; J. F. More, '13; C. W. Van Nort, '13; C. S. Snyder, '13; L. W. Smith, '11; S. L. Bear, '13; C. M. Sieger, '15; J. H. Graybill, '11; C. D. Kester, '12; R. C. Wickersham, '15; W. H. Wills, jr., '15. Many others were present whose names it was impossible to obtain."

Philadelphia Lehigh Club

"The Great May Outing" is the next event on the Philadelphia Lehigh Club schedule. It will be held at Essington on May 21. A shad dinner will be served at the Rosedale Inn.

H. W. DuBois, President of the Club, was the first speaker at the "Meeting Extraordinary" in the University Club on Friday evening, April 27. He showed a series of remarkable moving pictures taken in Alaska in the past few years. The second speaker was J. A. Steinmetz, '01, President of the Aero Club of Pennsylvania, who led in the discussion on "How Lehigh men may be helpful at this time of national need."

The following resolution was passed by the Club at its March meeting:

DECLARATION to the President of the United States. As Philadelphia Lehigh men, faithful to American ideals of justice, liberty and humanity and feeling that the Government has exerted its most earnest efforts to keep us at peace with the world, we hereby declare our absolute and unconditional loyalty to the Government of the United States and pledge our support to you in protecting American rights against unlawful violence upon land and sea, in guarding the Nation against hostile attacks and in upholding international right.

MORIZ BERNSTEIN, '96,
H. W. DuBois, '92, Secretary.
President.

A new feature in the administration of the Philadelphia Lehigh Club is the issuing of yearly membership cards signed by Moriz Bernstein, Secretary-Treasurer, upon payment of dues. The card, which is printed in brown ink, contains the name of the member, his class and the seal of the University on one side, and on the other side the names of the seventeen other local alumni clubs and the addresses of their secretaries. The Philadelphia Lehigh Club exchanges meeting privileges with these clubs.

Southwestern Lehigh Club

The visit of President Drinker to St. Louis to attend the National Military Training Camps Conference on March 24 was made the occasion for a meeting of members of the Southwestern Lehigh Club. Upon invitation of Dr. Drinker, addressed to them from Camden, S. C., the St. Louis alumni were entertained as his guests at luncheon in the Planter's Hotel at 1 p.m. on that day. It was a most pleasurable affair.

Dr. Drinker gave a report upon progress at the University this year, and referred to the activity along lines collateral to education—forestry, conservation of natural resources and military preparedness. Stereopticon views of the University buildings were shown by Registrar Walters.

After President Drinker had left to meet his engagement to speak at the Training Camps Conference, the alumni had a business session in which a resolution was passed placing the Southwestern Club on record as emphatically endorsing universal military service. A vote of thanks was given President Drinker in appreciation of his entertainment of the Club.

Officers for 1917-18 were elected as follows: President, R. W. Barrell, '87; Secretary and Treasurer, F. P. Lawrence, '10. It was decided to have four meetings of the Club during the coming year, three of them to be noon-day gatherings at lunch. C. L. Orth, '04, had charge of arrangements for the Saturday meeting. The following alumni were in attendance: F. D. Ammen, '97, R. W. Barrell, '87, R. M. Bryce, '13, Dr. Drinker, '71, E. B. C. Goyne, '14, Prof. G. O. James, Dean of College Department of Washington University, Instructor in Mathematics at Lehigh, 1902-03; H. E. Johnson, '13, F. P. Lawrence, '10, C. L. Orth, '04, J. M. Price, '12, J. D. von Maur, '94, S. C. Wagner, '11, Raymond Walters, '07, and G. W. Welsh, '01.

Northeastern Pennsylvania L. U. Club

The twenty-seventh annual dinner of the Northeastern Pennsylvania Lehigh Club was held in the Hotel Jermyn, Scranton, on Tuesday evening, April 10, when nearly fifty alumni

were present. Preceding the dinner there was an informal gathering.

The following were invited by the Club as guests of honor: Dr. H. S. Drinker, President of the University; Arthur E. Meaker, Emeritus Professor of Mathematics; Howard Eckfeldt, Professor of Mining Engineering in the University; and Raymond Walters, Registrar of the University and Editor of the LEHIGH ALUMNI BULLETIN.

The banquet took place in the main dining hall of the Hotel Jermyn, which was decorated with the national colors and college pennants. A large American flag extended across one side of the room. This was lent for the occasion by the Hon. W. D. B. Ainey, '87, Chairman of the Public Service Commission of Pennsylvania.

Professor Meaker was the toastmaster. He gave a reminiscent talk that touched in humorous fashion upon incidents in Lehigh history. In introducing President Drinker, Professor Meaker said that the alumni owe much to the President for the way in which his connection with national movements has kept Lehigh's name permanently in the public eye. Dr. Drinker gave a report to the alumni of the measures that have been taken by the University and by the Alumni Association in the present war situation and of affairs in general at the University.

Professor Eckfeldt reviewed present conditions at Lehigh as compared with life in his own student days. He expressed his gratification at seeing present so many of the alumni who were graduated since he has been in charge of the Mining Department.

Mr. Walters told of alumni activities during the present winter and he touched upon phases of college affairs.

Professor Meaker called upon Gilbert N. Jacobosky, '07, captain of a national guard company that is expecting orders to go into service. Mr. Jacobosky related incidents of meeting Lehigh men while on the Mexican border last summer and fall. President Jenkins spoke briefly.

During the dinner music was rendered by the Unique Banjo Club, of Scranton, which led in the rendition

of Lehigh songs. Many cheers were given during the evening and the enthusiasm was unbounded.

The dinner committee in charge comprised the following: D. H. Jenkins, Chairman; H. H. Otto, Secretary; G. E. Shepherd, M. I. Terwilliger, Chas. Dorrance, jr., A. H. Lewis, Arthur Long, F. J. Deemer, J. T. Reese, Henry Kemmerling, G. H. Hoppin, and G. W. Engle.

The music committee included A. J. Wiegand, Chairman; R. N. Williams, F. L. Stephenson, John R. James and G. P. Troutman.

The original cover design of the menu and program was drawn by J. A. Sosnowski, '11.

The following were present:

Dr. D. H. Jenkins, '88; G. W. Engle, '92; Henry Kemmerling, '91; H. D. Bleiler, '11; E. S. Stackhouse, '86; Rudolph Degener, '99; A. R. Henley, '12; H. D. Kynor, '10; Stanley Martin, '16; K. A. Lambert, '16; Charles Dorrance, jr., '06; F. L. Stephenson, '16; Cadwallader Evans, jr., '01; A. J. Wiegand, '15; Roy N. Williams, '10; Rev. Frederick P. Houghton, '14; Harold R. Martin, '08; Alfred E. Lister, '92; J. N. Bastress, '92; C. W. F. Neuffer, '94; C. A. Straw, '98; Arthur Long, '89; H. D. Baldwin, '14; K. G. Van Sickle, '14; J. T. Reese, '80; Walter Briggs, '83; Chas. Graham, jr., '17; Thos. W. Gangloff, '17; F. Stewart Graham, '17; Atherton Bowen, '06; Gilbert G. Jacobosky, '07; J. R. James, '06; M. A. Walker, '03; Edgar Schweitzer, '07; G. E. Shepherd, '94; F. J. Deemer, jr., '08; Howard Eckfeldt, '95; Arthur E. Meaker, '75; Dr. H. S. Drinker, '71; William H. Sayre, '86; H. L. Pabst, H. A. Butler, '83; Raymond Walters, '07, and Ralph E. Williams, '12.

Hazleton was the scene of the "February Smoker and Song-Fest." It was held in the Hazleton Club on February 27. There was an abundance of all that the postcard announcements had promised: "Fresh Air, Good Water, Plain Food, and Congeniality," plus also good tobacco and pleasing music.

Credit for the success of the smoker was due to G. P. Troutman, '10; G. R. Wood, '11, and W. R. Bray, '10, the committee of arrangements.

The following were present:

From Hazleton: D. L. Baird, '15; W. W. Davies, '10; F. S. Lubrecht, '12; A. W. Mans, '01; J. B. Price, '85; R. W. Shekells, '16; G. R. Wood, '11.

From Wilkes-Barre: E. H. Austin, '12; R. Degener, '99; E. P. Humphrey, '15; K. G. Van Sickle, '14; E. H. Lawall, '82; H. H. Otto, '12; Edgar Schweitzer, '07.

From West Pittston: Atherton Bowen, '06. From Scranton: Dr. D. H. Jenkins, '88. From Freeland: W. R. Bray, '10, and J. A. Sosnowski, '11.

From Jeddo: A. H. Lewis, '95; G. P. Troutman, '10.
 From White Haven: S. C. Barry, '09; J. F. Houser, '13.
 From Frackville: J. H. Pierce, '10.
 From Pottsville: H. M. Smyth, '12.

At the January smoker of the club in Scranton, the following officers were elected for 1917-18: President, D. H. Jenkins, '88, Scranton; First Vice-President, Edgar Schweitzer, '07, Wilkes-Barre; Second Vice-President, Cadwallader Evans, jr., '01, Scranton; Secretary-Treasurer, H. H. Otto, '12, Wilkes-Barre; Assistant Secretary, M. I. Terwilliger, '12, Kingston.

New York Lehigh Club

The annual outing of the New York Lehigh Club will be held at the Scarsdale Golf Club early in June in the form of a golf match with New York Lafayette alumni. The Scarsdale course is regarded as one of the best in the country. Information as to the exact date and instructions as to reaching the Club will be sent to members shortly.

Lafayette and Lehigh alumni in New York had a preliminary get-together meeting when they were guests of Mr. H. W. Hempstead, a Lafayette man, who is President of the New York National League baseball club, at the opening game of the season between Boston and New York at the polo grounds on April 20.

About 175 alumni and guests attended the dinner of the New York Club at the Machinery Club on Friday evening, April 10, in honor of W. Frank Roberts, M.E., '02, Vice-President of the Bethlehem Steel Company, and President of the Lehigh Coke Company. Secretary de Courcey Browne reports that "Mr. Roberts was introduced by Mr. John Reis, Vice-President of the United States Steel Corporation, who congratulated the Bethlehem Steel Company and its energetic Vice-President on their great success and progress in the steel business and declared that Bethlehem is always a welcome and first-class competitor."

Dr. Drinker paid tribute to Mr. Roberts as "a man of great professional merit, a graduate of the Mining and Mechanical Institute of the anthracite coal regions founded by Eckley B.

Coxe, and of Lehigh." In referring to the high positions attained by alumni in the Bethlehem Steel Company, Dr. Drinker spoke of "the patriotic work of the Company itself and its record of helpful endeavor in establishing, as it did, the original initiative work in the construction of our new modern navy." Dr. Drinker told of how he personally, enjoying as he did "friendship and friendly intercourse with the fathers of the Bethlehem Steel Company (then the old Bethlehem Iron Company)—Robert H. Sayre, Elisha P. Wilbur, G. B. Linderman, and others, as Directors, and John Fritz as Engineer—knew how these great men, when the manufacture of armor plate and of modern high power guns were arts unknown in this country, and only in their beginning abroad, sent to England and France and obtained the right to use here the patents and experience that had been developed there, and without financial aid and with scant encouragement from our Government, started here what was deemed a hazardous business enterprise—work that has developed and grown and spread into the great plants at Bethlehem and elsewhere that now furnish our naval and coast defense. Truly has it been said that republics are ungrateful. In our changing system of rulers the patriotic work done under one administration is lost sight of and forgotten—and the splendid development of the Bethlehem Steel Company under Mr. Schwab and his able assistants, instead of being lauded and appreciated as a great national asset managed by patriotic men, has been, so far as can be judged by the public reports, treated with scant recognition of what this great Company and its officers have done, are doing, and are destined to do, for the defense of our country."

Mr. Roberts spoke briefly, thanking the Club for the honor accorded him in this dinner.

Mr. Hempstead, of the New York Lafayette Club, commented upon the present hearty good feeling existing between Lafayette and Lehigh men both in and out of college.

Mr. John Hughes, Assistant to the President of the United States Steel Corporation, was one of the prominent guests present to greet Mr. Roberts.

Southern Anthracite Club

Secretary A. W. Wright contributes notes about two members of the Southern Anthracite Lehigh Club: W. L. Lesser, M.E., '05, who had been with the Philadelphia & Reading Coal and Iron Co. at Pottsville, has taken a position with Madeira Hill & Co. and has moved to Frackville. John A. Robb, '08, representing the Auto Sales Corporation, has opened a Cadillac service station at Pottsville and is agent for the Cadillac Company in that territory.

L. U. Club of New England

Under date of March 9, Mr. Davis, the Secretary and Treasurer, sent out a report which was, in part, as follows:

"A postponed regular meeting of the club was held on Friday, March 2, 1917, at the Brunswick Hotel at which the following were present: Louis A. Olney, '96, Vice-President; Herman H. Davis, '92, Secretary and Treasurer; Dr. Jose P. Bill, '07, Schuyler S. Clark, former Instructor '96-99, Frank O. Dufour, '96, William J. Lloyd, '92, George M. Lewis, '03, Edward J. McCaffrey, '14, John S. Pfeil, '12, Henry Reimers, '11, John Shoolbred, '14, and Foster R. Wheeler, '08.

"Mr. Olney, President of the Stirling Mills, of Lowell, and Professor of Chemistry of the Lowell Textile School, of the same city, gave a very interesting talk on "Textile Education in its relation to Manufacturing" from which we gained a lot of valuable information in relation to dyes and dyeing. We had an exceptionally sociable time and every one was very much pleased with the lecture. A vote of thanks was extended to Professor Olney by the Club.

"The Treasurer reports a deficit of \$23.53 which was incurred primarily in the effort to insure a large attendance at the December meeting. 'Put your shoulder to the wheel' and help him out.

"The loyalty of Lehigh men for their Alma Mater is unquestioned, but it would be greatly appreciated if more of the loyal sons, who can afford to do it, would become members of our local

organization. The dues of \$1.00 per year are surely not excessive."

The annual meeting will be held in the Hotel Brunswick on May 18 at 6:30 p.m., when officers will be elected.

L. U. Club of Central Pennsylvania

A new member in the family of alumni organizations is the Lehigh Club of Central Pennsylvania which had an auspicious opening meeting at Harrisburg on Saturday evening, March 10, which was reported in the Harrisburg "Patriot" of March 12, as follows:

Mercer B. Tate was elected president of the Lehigh Club of Central Pennsylvania, an organization effected at the smoker held by Lehigh graduates at Harrisburg and vicinity Saturday night in the rooms of the University Club. Percy L. Grubb was elected secretary.

Dr. N. M. Emery, Vice-President of Lehigh, was the guest of honor and gave an illustrated talk on the past, present and future of Lehigh. He described the development in buildings and equipment and told of an important phase of the work in the engineering and collegiate departments. Other speakers included William D. B. Ainey, Chairman of the Public Service Commission; S. A. Zweibel, of the Department of Public Instruction, and Dr. Clarence R. Phillips.

Plans are under way to hold another smoker in May, when Dr. H. S. Drinker, President of Lehigh, and Eugene G. Grace, President of the Bethlehem Steel Corporation, will be guests of honor.

Those in attendance at the smoker were: John P. Croll, William D. B. Ainey, J. J. Donegan, S. E. Fleming, Percy L. Grubb, E. V. Gibbs, J. E. Gough, W. S. Heister, W. B. Hammond, R. G. Kirk, F. V. Larkin, W. H. Myers, G. F. Nordenhalt, Dr. C. R. Phillips, C. Howard Reel, A. P. Rutherford, A. P. Spooner, W. P. Starkey, J. M. Snavely, Mercer B. Tate, C. P. Turner, S. A. Zweibel, M. H. Ulman, W. J. Collier, H. J. Dilcher, B. T. Root, G. R. Morrow, W. B. Keim, J. B. Bowman, M. R. Preston, T. O. Beitzel, J. B. Hiss, Andrew Farabaugh, W. S. Hammaker, G. S. Misch, Ira L. Miller, Charles Swope, D. C. Ainey, H. N. Motter, of Harrisburg, and William Stayer, C. M. Loucks and Clayton Bilheimer, of York.

Southern Lehigh Club

Secretary Ellwood Johnson writes that the Southern Lehigh Club has had one meeting this year at which there were about ten present. Another gathering is planned for some time in May.

The Maryland Lehigh Club

Members of the Maryland Lehigh Club are interested in the project of "Associated Technical Societies of Baltimore." A notice was sent out some

time ago by William D. Janney, '83, Secretary-Treasurer of the Engineers' Club of Baltimore, outlining the plan of the proposed association, which is to include the Baltimore sections of the national engineering and other technical societies.

Detroit Lehigh Club

The annual dinner of the Detroit Lehigh Alumni Club was held at the Detroit Athletic Club on Saturday evening, April 7, with President Drinker as the guest of honor. It was voted the most successful function the Detroit alumni have ever held.

Dr. Drinker gave a detailed report of affairs at the University and told of plans of the Alumni Association for preparing a census of Lehigh men whose training and experience would make them of service to the Government at the front or in industry during the present war situation.

President Drinker's description of the building developments at Lehigh was followed by an illustrated talk by Registrar Walters, who showed stereopticon views of the buildings and grounds.

Alvan Macauley, '92, President of the Packard Motor Car Company, gave an address outlining the patriotic measures the Company has taken. These include insistence that all employees, to be promoted, must be citizens of the United States or have started taking out naturalization papers. The Packard Company has aided foreign workmen in every way in this direction. A description was given by Mr. Macauley of the Company's development of a new motor for aeroplanes suitable for war service.

The toastmaster was N. C. Banks, '93, President of the Gear Grinding Machine Co. The committee in charge of the dinner included R. S. Drummond, '06; John S. Hegeman, '02, President of the Club; F. U. Kennedy, '07, Secretary and Treasurer, and Mr. Banks.

The following were present at the meeting: N. C. Banks, '93; H. B. Chapman, '00; O. B. Church, '14; A. B. Conner, '05; Dr. Drinker, '71; R. S. Drummond, '06; Haldeman Finnie,

'08; J. S. Hegeman, '02; Y. F. Hardcastle, '06; C. G. Heilman, '10; W. S. Herrmann, '11; S. P. Hess, '10; A. C. Hutchinson, '02; F. U. Kennedy, '07; Alvan Macauley, '92; Kenneth Mills, '06; R. M. Neff, '14; W. C. Owen, '14; G. K. Reel, '07; C. H. Stevenson, '90; L. A. Walker, '08, and Raymond Walters, '07.

Lehigh Club of Canada

Each member of the Lehigh Club of Canada has received the following notice:

"Montreal, Que., March 17, 1917.

"Dear Sir: The following is a list of the officers of the Lehigh Club of Canada for the year 1917: President, A. E. Juhler, '91, Rudel-Belnap Machinery Co., 26 Adelaide St., W., Toronto, Ont.; First Vice-President, F. A. Merrick, '91, Canadian Westinghouse Co., Hamilton, Ont.; Second Vice-President, A. E. Jennings, '08, "Canadian Engineer," 62 Church St., Toronto, Ont.; Treasurer, Prof. W. S. Ayars, '96, N. S. Technical College, Halifax, N. S.; Secretary, S. C. DeWitt, '95, Federal Engineering Co., 90 Sherbourne St., Toronto, Ont.; Assistant Secretary, T. J. S. Edelen, '04, Edelen-Kilvert Co., 304 Tribune Bldg., Winnipeg, Man.; Auditor, L. B. Treat, '10, Canadian Ingersoll-Rand Co., Box 1148, Sudbury, Ont.; Chairman, Nominating Committee, A. E. Juhler; Members, Nominating Committee, R. R. Hedley, '88, 405 Cotton Bldg., Vancouver, B.C., and F. A. Merrick, '91.

"Yours very truly,

"WM. C. WILLARD,

"Retiring Secretary."

Alumni Association of Lehigh University—Officers, 1916-1917

President, Henry H. Scovil, New York.

Vice-Presidents, William C. Anderson, Kingston; John J. Gibson, Pittsburgh.

Archivist, Howard Eckfeldt, South Bethlehem.

Secretary and Treasurer, P. A. Lambert, Bethlehem.

Honorary Alumni Trustees, Alfred E. Forstall, New York; Schuyler B. Knox, New York; Ralph M. Dravo, Pittsburgh; Robert S. Perry, New York.

A Lehigh Plan for "NATIONAL" Preparedness

¶ Remember the "big shake-up" when Congress "investigated the leak"—how all sorts of charges and counter-charges filled the air like spray from the "leak"—Remember?

¶ Well, about that time at a Lehigh dinner the toastmaster said:

"We have with us tonight a gentleman who has thorough confidence in the article he makes. He has perfected it—and perfected it—until it seems there is little else to do in the perfecting line. Why, he has such wonderful confidence in it that only yesterday while the leak investigations were under way this gentleman telegraphed to President Wilson, saying: 'If you will always use "NATIONAL" Pipe you won't have any leaks.' I refer to Mr. Taylor Allderdice, Lehigh, '83, second vice-president in charge of operation of all the twelve plants and 30,000 employes of the National Tube Company."

¶ No, we are not going to give Mr. Allderdice's speech, although it was a good one. The incident is recalled merely to emphasize the fact that IT PAYS TO BE "NATIONAL"ly PREPARED—which of course means USE "NATIONAL" PIPE!

¶ Following are the names of some other Lehigh men in the organization of National Tube Company who are "doing their bit" to make "NATIONAL" Pipe a quality product.

W. A. Cornelius, '89	Manager, National Works
L. H. Allport, '97	Civil Engineer
G. P. McNiff, '06	Metallurgical Engineer
W. A. Dehm, '98	Civil Engineer, Lorain Works
R. R. Throp, '05	Civil Engineer, Riverside Works
C. S. Stouffer, '06	Mech. Engineer, Kewanee Works
H. A. Dudley, '07	Engineering Department
H. C. Gerwig, '10	Sales Department

Harrisburg Pipe and Pipe Bending Co.

HARRISBURG, PA.

BASIC OPEN HEARTH BILLETS AND SLABS

HOT DRAWN SEAMLESS STEEL CYLINDERS FOR
OXYGEN AND OTHER HIGH PRESSURE GASES

HOT ROLLED STRIP STEEL

COMMON STEEL SHELL AND SHRAPNEL

GENERAL SUPERINTENDENT, W. P. STARKEY, '00

C. L. MCKENZIE, '93, PRES.

C. C. BURGESS, '95, CHIEF ENGR.

I. J. FREEDMAN, '07, ASST. ENGR.

PITTSBURGH CONSTRUCTION CO.

GENERAL CONTRACTORS

DIAMOND BANK BUILDING

PITTSBURGH, PA.

STEEL BRIDGE ERECTION, CONCRETE MASONRY, Etc.

C. L. MCKENZIE, '93, PRES.

C. C. BURGESS, '95, ASST. ENGR.

CONCRETE PRODUCTS COMPANY OF PITTSBURGH

DIAMOND BANK BUILDING

PITTSBURGH, PA.

REINFORCED, FACTORY-MADE,
CONCRETE CULVERT PIPE,
EMBANKMENT CRIBBING, ETC.

Bethlehem Foundry & Machine Company

GENERAL FOUNDERS AND MACHINISTS

SOUTH BETHLEHEM, PENNA.

W. A. WILBUR, President

ROBT. E. WILBUR, '04, Asst. to Gen'l Mgr.

J. GEORGE LEHMAN, '96, 1st Vice Pres. & Gen'l Mgr. I. E. KRAUSE, Sec'y and Treas.

RAILWAY WORK

FROGS

SWITCHES

CROSSINGS

STANDS

STRUCTURAL STEEL WORK

BRIDGES

BUILDINGS

STAIRS

ROOFS

COAL BREAKERS

HEAD FRAMES

The Guerber Engineering Company

MANUFACTURERS
AND CONTRACTING ENGINEERS

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